



**PHASE II
LIMITED SUBSURFACE INVESTIGATION**

FORMER COAL YARD

**116 NORTH DEPOT STREET
BRAZIL, INDIANA 46120**

ATC PROJECT No. 86.39738.016H

May 22, 2012

Prepared For:

West Central Indiana Economic Development District
c/o
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May 22, 2012

Mr. Jim Coffenberry
West Central Indiana Economic Development District
1718 Wabash Avenue
Terre Haute, Indiana 47808

Re: **Phase II Limited Subsurface Investigation**
Former Coal Yard
116 North Depot Street
Brazil, Indiana 46120
ATC Project No.: 86.39738.016H

Dear Mr. Coffenberry:

ATC Associates Inc. (ATC) is pleased to provide West Central Indiana Economic Development District (WCIEDD) with this report documenting a Phase II limited subsurface investigation (LSI) that was conducted at the Former Coal Yard (the site) located at 116 North Depot Street in Brazil, Indiana. The work performed, findings and conclusions of the LSI are provided in this submittal.

The work and all documents prepared during this Phase II LSI was funded through the WCIEDD Community-Wide Assessment Project, which received a U.S. Environmental Protection Agency (U.S. EPA) Hazardous Substance and Petroleum Grant (US EPA Grant No. BF-00E94401-0).

We appreciate the opportunity to be of service to you on this project. Please contact either of the undersigned if you have any questions or comments.

Sincerely,

ATC ASSOCIATES INC.

A handwritten signature in black ink that reads "Natalie Mathews".

Natalie Mathews.
Scientist

A handwritten signature in black ink that reads "Robert B. Walker".

Robert B. Walker, L.P.G.
Principal Geologist

Attachments

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1.0 INTRODUCTION

ATC Associates Inc. (ATC) was retained by the West Central Indiana Economic Development District to perform a Phase II Limited Subsurface Investigation at the Former Coal Yard property located at 116 North Depot Street, Brazil, Indiana, herein referred to as the site. A *Site Vicinity Map* depicting the site location is included as **Figure 1**. A discussion of the work performed and findings are provided in this submittal.

1.1 Background Information

The site consists of approximately 2.05 acres and is currently a vacant lot. According to Ms. Stacy Gibbens of the City of Brazil Planning and Zoning Department, the site is currently zoned as Open Industrial. The site is situated in a relatively flat area characterized by commercial and residential land uses. The surrounding area to the west consists of two residential dwellings and a commercial building used by Armour Eckrich Meats. The surrounding area to the north and east consists of land used by the Clay Community School Corporation's transportation department. The surrounding area to the south consists of a Duke Energy electrical station and associated gravel parking area.

The purpose of the investigation is to evaluate the soil and groundwater quality in the vicinity of the following *recognized environmental conditions* (RECs) identified by ATC in the January 3, 2012 Phase I Environmental Site Assessment (Phase I) performed at the site.

- The adjacent property to the east owns and operates several underground storage tanks (USTs).
- The review of fire insurance maps identified a former foundry, Central Iron and Steel Company, on the site.
- The review of city directories and site reconnaissance identified the site as a former coal storage yard.
- According to the site contact, Mr. Sam Emmert, there were formerly two 250-gallon gasoline aboveground storage tanks (ASTs) on the site. Mr. Emmert said the ASTs were on stilts and he is not aware of any secondary containments or barriers. He stated that the ASTs were used to fuel delivery trucks used by the former coal yard. The two ASTs were removed from the site during August of 2011.

The work and all documents prepared during this investigation were completed in accordance with the January 13, 2012 *Sampling and Analysis Plan, Revision 0*, which was approved on January 31, 2012 by the United States Environmental Protection Agency (US EPA). The procedures, findings, and conclusions of the Phase II Limited Subsurface Investigation are discussed in the following sections.

1.2 Phase II Limited Subsurface Investigation Summary

The subsurface investigation was performed to evaluate the soil and groundwater quality beneath the site. On February 16 and 17, 2012, eleven soil borings were advanced at the

site. Six of the eleven soil borings were converted to temporary monitoring wells to facilitate the collection of groundwater quality data.

Two soil borings (GP-1 and GP-6) were advanced along the eastern site boundary. One soil boring (GP-4) was advanced in the vicinity of the former on-site ASTs. Eight soil borings (GP-2, GP-3, GP-5, and GP-7 through GP-11) were advanced across the site. The soil borings GP-1 through GP-6 were converted into temporary monitoring wells. A *Site Plan* showing the site and the soil boring locations is presented as **Figure 2**. Eleven surface soil samples, eleven subsurface soil samples, and six groundwater samples were collected and submitted for laboratory analysis.

2.0 SITE CHARACTERISTICS

2.1 Site Description

The site is located at 116 North Depot Street, Brazil, Clay County, Indiana. The site consists of approximately 2.05 acres and is currently vacant.

The site was unoccupied with no structures. There was an asphalt paved area along the eastern site boundary that, according to Mr. Emmert, was poured in the fall of 2011. A sunken area with concrete debris, formerly the scale house/office building for the coal storage yard, was located to the west of the asphalt. There were shallow depressions on the southern portion of the site that retained standing water. A pile of tires was located near the eastern site boundary and wooden debris was located throughout the site. The majority of the site was covered in coal debris and the remaining areas were covered by grass, gravel, and/or asphalt.

2.2 Hydrogeologic Setting

Wisconsinan- to Holocene-aged loess deposits form the unconsolidated material below the site. The unconsolidated material has a thickness of less than 50 feet.

Pennsylvanian-aged shale and sandstone of the Raccoon Creek Group form the bedrock below the site. The surface of the bedrock has an elevation of approximately 600 feet above mean sea level (MSL). Regionally, the bedrock surface dips to the west in the study area.

Runoff at the site is controlled by infiltration into the ground surface and overland flow. Waterworks Creek and its tributaries drain the study area. The creek is located approximately 0.80-mile west/southwest of the site and flows from east to west.

Regional groundwater flow direction is generally influenced by major hydrogeologic features such as a river or lake. Surface and/or bedrock topography may also influence regional groundwater flow direction. Regional groundwater flow is considered to be west-southwest towards Waterworks Creek and its tributaries.

3.0 SITE CHARACTERISTICS

3.1 Geoprobe® Drilling Activities

Prior to initiating activities at the site, ATC contacted the Indiana Underground Plant Protection Service (IUPPS) to request identification of the underground utility locations in the rights-of-way surrounding the site. A private utility locating company was also utilized to clear underground utilities within the site boundaries.

The subsurface investigation to evaluate the soil and groundwater quality beneath the site included the collection and analysis of twenty-two soil samples (two samples from each of the eleven borings) and six groundwater samples (from the six temporary monitoring wells). The soil boring and monitoring well locations are illustrated on **Figure 2**. The soil borings included the following:

- Soil borings GP-1 and GP-6 were advanced along the eastern site boundary.
- Soil boring GP-4 was advanced in the vicinity of the former on-site ASTs.
- Soil borings GP-2, GP-3, GP-5, and GP-7 through GP-11 were advanced across the site.

On February 16 and 17, 2012, the soil borings were advanced using a stainless steel hand auger to a depth of approximately four feet below ground surface (ft-bgs) to minimize the potential hazards associated with buried utilities. The eleven soil borings were then advanced beyond 4-feet, and soil samples were collected continuously to the desired depth, using a Geoprobe® drill rig equipped with a 5-foot long, nominal 2-inch diameter Macro-core® sampler. Sampling equipment was decontaminated between sample locations using a non-phosphate detergent wash followed by a tap water rinse. The sampler was equipped with a new plastic internal liner prior to collecting each sample. Soil borings SB-7 through SB-10 were advanced to termination depths of 10 ft-bgs. Monitoring wells GP-1 through GP-6 were advanced to termination depths varying between 20 ft-bgs and 25 ft-bgs.

3.2 Soil Investigation

An ATC geologist classified each soil sample in accordance with the Unified Soil Classification System (USCS), and visually inspected each soil sample in the field for physical evidence of environmental impact such as staining, odors, free product, etc. The soil samples were then split into two aliquots; one for field headspace analysis and the other for potential laboratory analysis. The field aliquots were placed into sealable plastic bags and allowed to warm to ambient temperature for headspace analysis. The laboratory aliquots were recovered using terra core kits (Method 5035) and 4 oz jars. Soil samples were also monitored in the field for the emission of total photo-ionizable vapors (TPVs) using a Mini-Rae® photo-ionization detector (PID). The PID measured the TPVs in parts per million (ppm). The soil boring logs documenting the soil classification and field screening results are provided in **Appendix A**.

Two soil samples were retained from each of the eleven soil borings for laboratory analysis. The samples retained from each soil borings included the surface interval (0 to 0.5 ft) and the interval exhibiting the greatest potential for being impaired (i.e., highest TPV reading, staining, odors, etc.). If evidence of impairment was not encountered during the advancement of a soil boring, the second sample interval retained for analysis included the shallowest interval of native soil that contained no fill or coal material. The samples were collected in containers provided by the laboratory, labeled with a unique identification, placed in an ice-packed cooler and transported to Pace Analytical Laboratory located in Indianapolis, Indiana using appropriate chain-of-custody protocol.

The twenty-two discrete soil samples and appropriate quality assurance and quality control samples (QA/QC) were analyzed for the following parameters:

- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and extended range organics (ERO) in accordance with SW 846 Method 8015 Modified
- Polynuclear aromatic hydrocarbons (PAHs) in accordance with SW 846 Method 8270,
- Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) in accordance with SW846 Method 6000 and 7000 series, and
- Volatile organic compounds (VOCs) in accordance with SW846 Method 8260.

Soil samples to be analyzed for VOCs and TPH-GRO were collected in accordance with USEPA Method 5035 (Indiana Modified).

3.3 Groundwater Investigation

After completion of the soil borings and soil sampling activities, temporary monitoring wells were installed at borings GP-1 through GP-6. At each location, the monitoring well was constructed of 1-inch diameter PVC casing and ten feet of 1-inch diameter, 0.010-inch slotted well screen, placed into the boring annulus so that the bottom of the screen was approximately 3 ft below the groundwater table. Following their installation, the elevation of each monitoring well was surveyed to allow correlation of groundwater level data between wells.

On February 17, 2012, ATC collected groundwater samples from temporary monitoring wells GP-1 through GP-6 using the low flow/low stress sampling technique. The groundwater samples collected from temporary monitoring wells were analyzed by Pace for the following parameters:

- PAHs in accordance with SW 846 Method 8270,
- RCRA metals in accordance with SW846 Method 6000 and 7000 series, and
- VOCs in accordance with SW846 Method 8260.

4.0 FINDINGS

4.1 Hydrogeology and Soil Screening Results

Soil borings G-1 through GP-11 were advanced in the former coal yard area and encountered a layer of coal debris from the ground surface to depths ranging from about 1.0- to 5.0-feet. Various amounts of topsoil, silt, clay, and gravel were found with the coal debris. The soil beneath the coal debris consists generally of moist clay (CL) and sand (SC) to depths ranging from about 1.5- to 25.0-feet. These soils contained varying amounts of gravel and, in some cases, coal and brick fragments.

Soil vapor monitoring results for the soil borings ranged from 0.0 to 3.3 ppm. Copies of the soil boring logs are provided in **Appendix A**.

Groundwater was generally encountered between 10 and 20 ft-bgs. Based on the depth to water measurements recorded on February 17, 2012, and the calculated potentiometric surface, it appears the shallow groundwater flow beneath the site is to the east. A groundwater potentiometric surface map is presented on **Figure 3**, and the groundwater elevation data are presented in **Table 1**.

4.2 Soil Analytical Results

The analytical results were compared to the Indiana Department of Environmental Management (IDEM) Risk Integrated System of Closure (RISC) Default Closure Levels (DCLs). The RISC Guidance provides a framework for contaminated sites in Indiana to gain closure through IDEM. The samples were compared against two closure levels, one for residential properties (RDCL), one for industrial and commercial properties (IDCL). Please note that closure under the RISC Program requires approval by IDEM.

Laboratory tests conducted on the submitted soil samples detected TPH-ERO at concentrations above the IDEM RISC residential default closure level (RDCL) in ten of the samples. These samples include GP-3(0-0.5), GP-4(0-0.5), GP-5(0-0.5), GP-6(0-0.5), GP-6 (2-4), GP-7(0-0.5), GP-8(8-10), GP-9(0-0.5), GP-10(0-0.5), and GP-11(0-0.5) with concentrations ranging between 256 and 7,160 milligrams per kilogram (mg/kg). Laboratory analysis did not report TPH-GRO concentrations above the RISC RDCL in any of the samples.

Based on the results of the analysis for RCRA metals in the soil samples, adsorbed arsenic concentrations were detected above the RISC IDCL of 5.8 mg/kg in twenty of the twenty-two soil samples with concentrations ranging between 5.6 and 32.6 mg/kg.

Lead was detected at concentrations above the RISC RDCL of 81 mg/kg in soil samples GP-6(0-0.5), GP-6(2-4), GP-8(0-0.5), and GP-10(0-0.5) with concentrations ranging between 82.1 and 108 mg/kg. Soil sample GP-11(0-0.5) exhibited a lead concentration of 290 mg/kg, which exceeds the RISC IDCL of 230 mg/kg.

Additionally, selenium was detected at a concentration above the RISC RDCL of 5.3 mg/kg in soil samples GP-3(0-0.5), and GP-10(0-0.5) with concentrations ranging between 5.4 and 6.5 mg/kg.

Based on the analytical results of PAHs in the soil, a 2-methylnaphthalene concentration was detected above the RISC RDCL of 3.1 mg/kg in soil sample GP-10(0-0.5) with a concentration of 3.56 mg/kg. A benzo(a)pyrene concentration was detected above the RISC RDCL of 0.5 mg/kg in the soil sample GP-6(0-0.5) at a concentration of 1.05 mg/kg. Soil sample GP-8 exhibited a benzo(a)pyrene concentration of 3.15 mg/kg, which exceeds the RISC IDCL of 1.5 mg/kg.

Additionally, dibenz(a,h)anthracene was detected at a concentration greater than the RISC RDCL of 0.5 mg/kg in soil sample GP-8(8-10) with a concentration of 0.661 mg/kg. Finally, naphthalene was detected at concentrations above the RISC RDCL of 0.7 mg/kg, in soil samples GP-4(0-0.5), GP-5(0-0.5) and GP-10(0-0.5), with concentrations ranging between 0.787 mg/kg and 2.29 mg/kg.

No other constituents of concern (COCs) were detected above their respective IDEM RDCLs in the soil samples collected. A summary of the soil analytical results compared to the RISC limits is provided in **Tables 2, 3, and 4**, and depicted on **Figure 4**.

A copy of the laboratory certificate of analysis is provided in **Appendix B**.

4.3 Groundwater Analytical Results

The evaluation of groundwater quality was conducted through the comparison of the laboratory results to the IDEM RISC DCLs.

Based on the results of the analyses for RCRA metals in the groundwater, arsenic was detected at a concentration above the RISC RDCL of 10 micrograms per liter ($\mu\text{g/l}$) in the groundwater sample GP-1, with a concentration of 10.7 $\mu\text{g/l}$.

The results of the laboratory analysis for VOCs in the groundwater indicate the presence of tetrachloroethene (PCE) at a concentration exceeding the RISC RDCL of 5 $\mu\text{g/l}$ in the groundwater sample GP-2, with a concentration of 10.4 ug/l. Additionally, trichloroethene (TCE) was detected at a concentration of 11.1 $\mu\text{g/l}$ in the groundwater sample GP-3, which is above the RISC RDCL of 5 $\mu\text{g/l}$.

No other COCs were detected above their respective IDEM RDCLs in the collected groundwater samples. A summary of the groundwater analytical results compared to the RISC limits is provided in **Table 5**, and depicted on **Figure 5**. A copy of the laboratory certificates of analyses is provided in **Appendix B**.

5.0 CONCLUSIONS

ATC has conducted a conducted Phase II Limited Subsurface Investigation at the Former Coal Yard property located at 116 North Depot Street in Brazil, Indiana. The investigation included an evaluation of the soil and groundwater quality beneath the site.

The soil borings advanced within the former coal yard area encountered a layer of coal debris from the ground surface to depths ranging from about 1.0- to 5.0-feet. Various amounts of topsoil, silt, clay, and gravel were found with the coal debris. The soil beneath the coal debris consists generally of moist clay (CL) and sand (SC) to depths ranging from about 1.5- to 25.0-feet. Groundwater was generally encountered between 10 and 20 ft-bgs. Based on the depth to water measurements recorded on February 17, 2012, it appears the shallow groundwater flow beneath the site is to the east.

The analysis of soil samples collected during this investigation identified the presence of several COCs including: arsenic, lead, selenium, 2-methylnaphthalene, benzo(a)pyrene, dibenz(a,h)anthracene and naphthalene in the shallow soil at the site. Only arsenic and benzo(a)pyrene were detected above the RISC IDCL in the soil samples. The other COCs were reported above the RISC RDCL in one or more samples. The presence of coal in the shallow soil is the likely source for the COCs.

The analysis of the groundwater samples collected from the temporary monitoring wells indicated the presence of arsenic (10.7 µg/l) in GP-1, which exceeds the RISC IDCL of 10 µg/l. The VOCs PCE and TCE were detected at concentrations exceeding the RISC RDCL in the groundwater samples collected from GP-2 and GP-3, respectively.

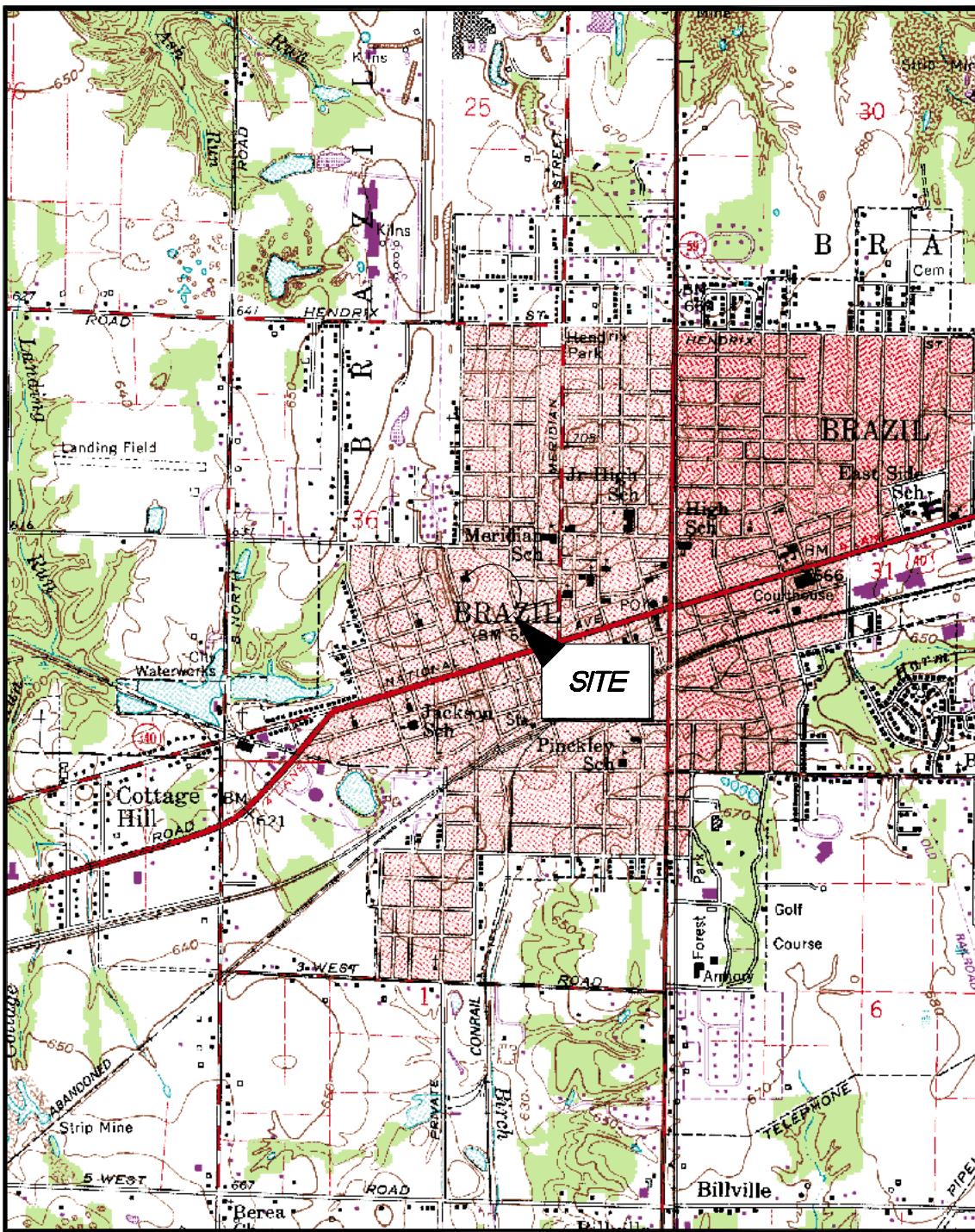
6.0 QUALIFICATIONS

The work performed in conjunction with this assessment, and the data developed, are intended as a description of available information at the dates and locations given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type, or at a location not investigated, nor against future operations or conditions.

The present study included the collection of eleven surface soil samples, eleven subsurface soil samples, and six groundwater samples from the eleven borings advanced at the site. The conclusions drawn from this investigation are considered reliable; however, there may exist localized variations in subsurface conditions that have not been completely defined at this time.

FIGURES

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan
- Figure 3 – Potentiometric Surface Map
- Figure 4 – Soil Analytical Map
- Figure 5 – Groundwater Analytical Map



VICINITY MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FORMER COAL YARD
116 NORTH DEPOT STREET
BRAZIL, INDIANA

Project Number:
86.39738.016H

Drawing File:
39738=16HA

Date: 11/11 Scale: 1" = 2000'



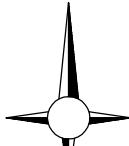
Drn. By:
BK

Ckd. By:
NM

App'd By:

Figure:
1

N



100 0 25 50 75 100
APPROXIMATE SCALE: 1" = 100'

RESIDENTIAL

SKELTON
TAEKWONDO ACADEMY

MCDONALD STREET

CLAY COUNTY COMMUNITY
SCHOOL CORPORATION

ARMOUR
ECKRICH
MEATS

CLAY COUNTY COMMUNITY
SCHOOL CORPORATION

TREES

GP-8

GP-3

GP-2

GP-1

GP-11

GP-7

GP-4

DEPOT STREET

ASPHALT PAVED

RESIDENTIAL

GP-10

PLASTIC BARRIER

APPROXIMATE LOCATION OF
FORMER GASOLINE ABOVEGROUND
STORAGE TANKS

DUKE ENERGY
ELECTRIC POWER
STATION

DUKE ENERGY

CHURCH STREET

COMMERCIAL

COMMERCIAL

COMMERCIAL

LEGEND:

- GP-1 MONITORING WELL
- GP-6 SOIL BORING
- Boring Identification
- PROPERTY BOUNDARY

SITE PLAN

FORMER COAL YARD
116 NORTH DEPOT STREET
BRAZIL, INDIANA

Project Number:
86.39738.016H

Drn. By:
EB

Drawing File:
39738-16HB

Ckd. By:
RW

Date:
3/12

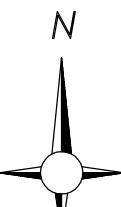
Scale:
AS SHOWN

App'd By:



Figure:

2



100 0 25 50 75 100
APPROXIMATE SCALE: 1" = 100'

RESIDENTIAL

SKELTON
TAEKWONDO ACADEMY

MCDONALD STREET

CLAY COUNTY COMMUNITY
SCHOOL CORPORATION

ARMOUR
ECKRICH
MEATS

CLAY COUNTY COMMUNITY
SCHOOL CORPORATION

DEPOT STREET

RESIDENTIAL

APPROXIMATE LOCATION OF
FORMER GASOLINE ABOVEGROUND
STORAGE TANKS

ASPHALT PAVED

PLASTIC BARRIER

COMMERCIAL

DUKE ENERGY
ELECTRIC POWER
STATION

DUKE ENERGY

DUKE ENERGY

CHURCH STREET

COMMERCIAL

COMMERCIAL

LEGEND:

GP-2 90.47 MONITORING WELL
Well Identification

— 90 — INFERRED GROUNDWATER
ELEVATION CONTOUR

— - - PROPERTY BOUNDARY

INFERRED GROUNDWATER FLOW IS
PERPENDICULAR TO THE GROUNDWATER
ELEVATION CONTOURS.

NG = NOT GAUGED

POTENIOMETRIC SURFACE MAP

FORMER COAL YARD
116 NORTH DEPOT STREET
BRAZIL, INDIANA
DATA DATE: FEBRUARY 16, 2012

Project Number:
86.39738.016H

Drn. By:
EB

Drawing File:
39738-16HF

Ckd. By:
RW

Date:
4/102

Scale:
AS SHOWN

App'd By:
Figure:



3

LEGEND:

GP-1 MONITORING WELL

GP-6 Well Identification

SOIL BORING

Boring Identification

PROPERTY BOUNDARY

TPH = TOTAL PETROLEUM HYDROCARBONS

mg/kg - MILLIGRAMS PER KILOGRAM

CONCENTRATIONS EXCEEDING THE

IDEM RISC RDCL

CONCENTRATIONS EXCEEDING THE

IDEM RISC IDCL

Date	Depth, (ft)	
0/0/0	2-4	
As	<1.0	Arsenic (mg/kg)
Pb	<1.0	Lead (mg/kg)
Se	<1.0	Selenium (mg/kg)
TPH-ERO	<1.0	TPH-Gasoline Range Organics (mg/kg)
2-MNAP	<1.0	2-Methylnaphthalene (mg/kg)
D(a,h)A	<1.0	Dibenz (a,h) Anthracene (mg/kg)
NAP	<1.0	Naphthalene (mg/kg)

N

50 0 10 20 30 40 50

APPROXIMATE SCALE: 1" = 50'

CLAY COUNTY COMMUNITY
SCHOOL CORPORATION

TREES

GP-8

2/17/12	0-0.5	8-10
As	15.7	7.1
Pb	84.3	9.1
Se	3.6	<2.3
TPH-ERO	210	457
2-MNAP	0.439	0.104
B(a)P	0.289	3.15
D(G,h)A	0.0821	0.681
NAP	0.283	0.341

GP-3

2/16/12	0-0.5	6-8
As	19.4	6.5
Pb	34.5	8.2
Se	6.5	<2.2
TPH-ERO	1,080	<12.0
2-MNAP	0.424	0.0072
B(a)P	0.130	<0.0060
D(a,h)A	<0.0651	<0.0060
NAP	0.205	<0.0060

GP-2

2/16/12	0-0.5	2-4
As	5.6	5.7
Pb	21.2	8.6
Se	2.4	<2.2
TPH-ERO	55.2	<12.1
2-MNAP	0.0087	<0.0061
B(a)P	0.0403	<0.0061
D(a,h)A	0.0097	<0.0061
NAP	0.0107	<0.0061

GP-7

2/17/12	0-0.5	6-8
As	9.6	9.7
Pb	21.9	11.1
Se	2.9	<2.3
TPH-ERO	259	<12.7
2-MNAP	0.747	<0.0064
B(a)P	0.122	<0.0064
D(a,h)A	0.0289	<0.0064
NAP	0.364	<0.0064

GP-1

2/16/12	0-0.5	2-4
As	16.6	10.3
Pb	46.0	7.2
Se	<2.3	<2.5
TPH-ERO	141	<12.5
2-MNAP	0.0237	0.0076
B(a)P	0.0662	<0.0062
D(a,h)A	0.0224	<0.0062
NAP	0.0152	<0.0062

GP-11

2/17/12	0-0.5	2-4
As	9.4	8.6
Pb	290	11.7
Se	<2.2	<2.5
TPH-ERO	445	<12.7
2-MNAP	0.361	<0.0063
B(a)P	0.0502	<0.0063
D(a,h)A	0.0141	<0.0063
NAP	0.116	<0.0063

GP-4

2/16/12	0-0.5	8-10
As	14.2	8.5
Pb	35.0	13.3
Se	3.8	<2.4
TPH-ERO	776	<12.5
2-MNAP	1.65	0.0074
B(a)P	0.180	<0.0063
D(a,h)A	<0.0656	<0.0063
NAP	0.940	<0.0063

GRAVEL

GP-6

2/16/12	0-0.5	2-4
As	19.4	14.5
Pb	108	106
Se	2.5	<2.7
TPH-ERO	256	471
2-MNAP	0.171	0.376
B(a)P	1.05	0.413
D(a,h)A	0.231	0.111
NAP	0.0973	0.206

GP-10

2/17/12	0-0.5	6-8
As	32.6	9.8
Pb	82.1	11.0
Se	5.4	<2.2
TPH-ERO	723	<12.4
2-MNAP	3.56	<0.0062
B(a)P	0.104	<0.0062
D(a,h)A	<0.0659	<0.0062
NAP	2.29	<0.0062

DUKE ENERGY
ELECTRIC POWER
STATION

DUKE ENERGY

SOIL ANALYTICAL MAP
 FORMER COAL YARD
 116 NORTH DEPOT STREET
 BRAZIL, INDIANA

Project Number:
86.39738.016HDrn. By:
EBDrawing File:
39738-16HCCkd. By:
RWDate:
4/12Scale:
AS SHOWN

App'd By:

Figure:
4

LEGEND:

GP-1 MONITORING WELL

GP-6 SOIL BORING

Boring Identification

PROPERTY BOUNDARY

ug/L = MICROGRAMS PER LITER

CONCENTRATIONS EXCEEDING THE IDEM RISC RDCL**CONCENTRATIONS EXCEEDING THE IDEM RISC IDCL**

0/0/0	Date
As <1.0	Arsenic (ug/L)
Ba <1.0	Barium (ug/L)
Se <1.0	Selenium (ug/L)
PCE <1.0	Tetrachloroethene (ug/L)
TCE <1.0	Trichloroethene (ug/L)

N



CLAY COUNTY COMMUNITY SCHOOL CORPORATION

TREES

GP-8

GP-2	2/17/12
As	<10.0
Ba	<100
Se	<10.0
PCE	10.4
TCE	<5.0

GP-7

GP-3

GP-3	2/17/12
As	<10.0
Ba	<100
Se	<10.0
PCE	<5.0
TCE	11.1

GP-1	2/17/12
As	10.7
Ba	149
Se	<10.0
PCE	<5.0
TCE	<5.0

DEPOT STREET

GP-11

GRAVEL

GP-6	2/17/12
As	<10.0
Ba	<100
Se	<10.0
PCE	<5.0
TCE	<5.0

APPROXIMATE LOCATION OF FORMER GASOLINE ABOVEGROUND STORAGE TANKS

GP-5

GP-5	2/17/12
As	<10.0
Ba	<100
Se	<10.0
PCE	<5.0
TCE	<5.0

GP-4	2/17/12
As	<10.0
Ba	<100
Se	14.0
PCE	<5.0
TCE	<5.0

GP-9

DUKE ENERGY ELECTRIC POWER STATION

GP-10

PLASTIC BARRIER

DUKE ENERGY

GROUNDWATER ANALYTICAL MAPFORMER COAL YARD
116 NORTH DEPOT STREET
BRAZIL, INDIANAProject Number:
86.39738.016HDrn. By:
EBDrawing File:
39738-16HDCkd. By:
RWDate:
4/12Scale:
AS SHOWN

App'd By:

Figure:
5

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- Table 3 – Summary of Soil Analytical Results for TPHs and VOCs
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Table 1
Summary of Gauging Data
 West Central Indiana Economic Development District
 Former Coal Yard
 116 North Depot Street
 Brazil, Indiana
 ATC Project No. 86.39738.016H

Well ID	Gauging Date	Screen Interval (ft-bgs)	Top of Casing Elevation (ft)	Depth to Water (ft-TOC)	Product Thickness (ft-TOC)	Groundwater Elevation (ft)
GP-1	2/17/2012	9-19	ND	15.6	0.00	ND
GP-2	2/17/2012	5-15	98.89	8.42	0.00	90.47
GP-3	2/17/2012	9-19	97.18	8.13	0.00	89.05
GP-4	2/17/2012	10-20	98.00	11.71	0.00	86.29
GP-5	2/17/2012	10-20	97.02	6.81	0.00	90.21
GP-6	2/17/2012	13-23	97.96	16.06	0.00	81.90

Notes :

- ft-bgs = feet below ground surface.
- ft-TOC = feet below top of casing.
- ND = No data; well was removed before surveyed
- Top of Casing Elevation = Elevation at the top of the PVC well casing relative to on-site datum.
- Groundwater Elevation =Top of Casing Elevation - Corrected Depth to Groundwater

Table 2
Summary of Soil Analytical Results for RCRA Metals
 West Central Indiana Economic Development District
 Former Coal Yard
 116 North Depot Street
 Brazil, Indiana
 ATC Project No. 86.39738.016H

Sample ID	Date Sampled	RCRA Metals						
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
IDEM RISC RDCLs		3.9	1,600	7.5	38	81	2.1	5.3
IDEM RISC IDCLs		5.8	10,000	77	120	230	32	54
GP-1 (0-5)	2/16/2012	16.6	88.4	<2.3	76.6	46.0	<0.24	<2.3
GP-1 (2-4)	2/16/2012	10.3	179	<2.5	21.0	7.2	<0.26	<2.5
GP-2 (0-5)	2/16/2012	5.6	104	<2.4	15.8	21.2	0.97	<2.4
GP-2 (2-4)	2/16/2012	5.7	52.3	<2.2	11.7	8.6	<0.24	<2.2
GP-3 (0-5)	2/16/2012	19.4	103	<2.4	8.7	34.5	<0.27	6.5
<i>Duplicate 1</i>	2/16/2012	20.9	26.8	<2.3	6.4	41.4	<0.24	8.4
GP-3 (6-8)	2/16/2012	6.5	126	<2.2	13.4	8.2	<0.23	<2.2
GP-4 (0-5)	2/16/2012	14.2	72.9	<2.6	13.7	35.0	<0.27	3.8
GP-4 (8-10)	2/16/2012	8.5	88.7	<2.4	16.8	13.3	<0.26	<2.4
GP-5 (0-5)	2/16/2012	14.4	35.9	<2.4	7.2	32.2	<0.27	5.3
GP-5 (6-8)	2/16/2012	7.6	80.9	<2.2	11.8	10.5	<0.25	2.7
GP-6 (0-5)	2/16/2012	19.4	94.9	<2.2	8.8	108	0.34	2.5
GP-6 (2-4)	2/16/2012	14.5	82.7	<2.7	24.9	106	<0.30	<2.7
GP-7 (0-0.5)	2/17/2012	9.6	39.0	<2.2	8.6	21.9	<0.24	2.9
GP-7 (6-8)	2/17/2012	9.7	106	<2.3	20.6	11.1	<0.27	<2.3
GP-8 (0-0.5)	2/17/2012	15.7	81.4	<2.3	18.0	84.3	<0.25	3.6
GP-8 (8-10)	2/17/2012	7.1	64.3	<2.3	13.3	9.1	<0.25	<2.3
GP-9 (0-0.5)	2/17/2012	9.3	18.0	<2.3	5.3	22.6	<0.25	3.7
GP-9 (6-8)	2/17/2012	12.3	92.8	<2.3	20.5	17.0	<0.27	<2.3
<i>Duplicate 2</i>	2/17/2012	12.4	84.5	<2.3	20.7	16.3	<0.28	<2.3
GP-10 (0-0.5)	2/17/2012	32.6	30.8	<2.4	9.6	82.1	<0.28	5.4
GP-10 (6-8)	2/17/2012	9.8	82.2	<2.2	20.5	11.0	<0.24	<2.2
GP-11 (0-0.5)	2/17/2012	9.4	85.2	2.5	29.1	290	<0.25	<2.2
GP-11 (2-4)	2/17/2012	8.6	86.8	<2.5	17.4	11.7	<0.27	<2.5

Notes:

-Analytical results presented in milligrams per kilogram (mg/kg) or parts per million (ppm)

-RCRA Metals = Resource Conservation and Recovery Act Metals

-Soil samples were analyzed for RCRA Metals using U.S. EPA SW846 Method 6000 and 7000 series

BOLD = Concentrations above their respective Risk Integrated Systems of Closure (RISC) Residential Default Closure Levels

BOLD = Concentrations above their respective RISC Industrial Default Closure Levels

Table 3
Summary of Soil Analytical Results for TPHs and VOCs
 West Central Indiana Economic Development District
 Former Coal Yard
 116 North Depot Street
 Brazil, Indiana
 ATC Project No. 86.39738.016H

Sample ID	Date Sampled	TPHs		VOCs			
		TPH-ERO	TPH-GRO	Acetone	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene
IDEM RISC RDCLs		230	120	28	0.058	0.057	0.4
IDEM RISC IDCLs		3100	1500	370	0.64	0.35	5.8
GP-1 (0-.5)	2/16/2012	141	<0.97	<0.099	<0.0050	<0.0050	<0.0050
GP-1 (2-4)	2/16/2012	<12.5	<0.91	<0.087	<0.0043	<0.0043	<0.0043
GP-2 (0-.5)	2/16/2012	55.2	<1.4	<0.11	<0.0054	<0.0054	<0.0054
GP-2 (2-4)	2/16/2012	<12.1	<0.92	<0.15	<0.0077	<0.0077	<0.0077
GP-3 (0-.5)	2/16/2012	1080	<2.0	<0.182	<0.0091	<0.0091	<0.0091
<i>Duplicate 1</i>	2/16/2012	1040	<2.1	<0.213	<0.011	<0.011	<0.011
GP-3 (6-8)	2/16/2012	<12.0	<0.84	<0.10	<0.0051	<0.0051	<0.0051
GP-4 (0-.5)	2/16/2012	776	<1.9	<0.15	<0.0075	<0.0075	<0.0075
GP-4 (8-10)	2/16/2012	<12.5	<0.94	<0.094	<0.0047	<0.0047	<0.0047
GP-5 (0-.5)	2/16/2012	2060	<2.2	<0.19	<0.0096	<0.0096	<0.0096
GP-5 (6-8)	2/16/2012	109	<0.92	<0.129	<0.0064	<0.0064	<0.0064
GP-6 (0-.5)	2/16/2012	256	<1.0	<0.136	<0.0068	<0.0068	<0.0068
GP-6 (2-4)	2/16/2012	471	<1.8	0.182	<0.0085	<0.0085	<0.0085
GP-7 (0-0.5)	2/17/2012	259	<1.6	<0.0058	<0.0094	<0.0094	<0.0094
GP-7 (6-8)	2/17/2012	<12.7	<1.0	<0.0064	<0.0052	<0.0052	<0.0052
GP-8 (0-0.5)	2/17/2012	210	<1.5	0.100	<0.0069	<0.0069	<0.0069
GP-8 (8-10)	2/17/2012	457	<0.94	0.540	0.0081	0.0237	0.0276
GP-9 (0-0.5)	2/17/2012	7160	3.8	<0.0637	<0.011	<0.011	<0.011
GP-9 (6-8)	2/17/2012	<13.1	<0.96	<0.0066	<0.0046	<0.0046	<0.0046
<i>Duplicate 2</i>	2/17/2012	<13.2	<0.98	<0.0977	<0.0049	<0.0049	<0.0049
GP-10 (0-0.5)	2/17/2012	723	<2.5	<0.0659	<0.012	<0.012	<0.012
GP-10 (6-8)	2/17/2012	<12.4	<0.98	<0.0062	<0.0048	<0.0048	<0.0048
GP-11 (0-0.5)	2/17/2012	445	<1.2	<0.0063	<0.0055	<0.0055	<0.0055
GP-11 (2-4)	2/17/2012	<12.7	<0.98	<0.0063	<0.0048	<0.0048	<0.0048

Notes:

-Analytical results presented in milligrams per kilogram (mg/kg) or parts per million (ppm)

-VOCs = Volatile Organic Compounds

-TPH-ERO = Total Petroleum Hydrocarbons - Extended Range Organics

-TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

-Soil samples were analyzed for VOCs using U.S. EPA SW846 Method 8260

-Soil samples were analyzed for TPH-ERO and TPH-GRO using U.S. EPA SW846 8015 Modified.

- Only the VOC analytes detected in one or more samples are included in this table.

-NE = Not Established

-NA = Not Analyzed

BOLD = Concentrations above their respective Risk Integrated System of Closure (RISC) Residential Default Closure Levels

BOLD = Concentrations above their respective Risk Integrated System of Closure (RISC) Industrial Default Closure Levels

Table 4

Summary of Soil Analytical Results for PAHs

West Central Indiana Economic Development District

Former Coal Yard

116 North Depot Street

Brazil, Indiana

ATC Project No. 86.39738.016H

Sample ID	Date Sampled	Polynuclear Aromatic Hydrocarbons (PAHs)																
		2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benz(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
IDEML RISC RDCLs		3.1	130	18	2000	5	0.5	5	NE	50	500	0.5	2000	170	5	0.7	13	2000
IDEML RISC IDCLs		42	1800	180	2000	15	1.5	15	NE	150	1500	1.5	2000	2000	15	170	170	2000
GP-1 (0-5)	2/16/2012	0.0237	<0.0059	<0.0059	0.0244	0.0845	0.0662	0.102	0.0900	0.0510	0.114	0.0224	0.175	<0.0059	0.0443	0.0152	0.361	0.156
GP-1 (2-4)	2/16/2012	0.0076	<0.0062	<0.0062	0.0110	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	0.0249	<0.0062	<0.0062	0.104	0.0099
GP-2 (0-.5)	2/16/2012	0.0087	0.0115	<0.0062	0.0274	0.0443	0.0403	0.0369	0.0248	0.0336	0.0511	0.0097	0.107	0.0088	0.0207	0.0107	0.122	0.0968
GP-2 (2-4)	2/16/2012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
GP-3 (0-.5)	2/16/2012	0.424	0.0738	<0.0651	0.221	0.333	0.130	0.212	0.131	0.128	0.443	<0.0651	0.922	0.127	<0.0651	0.205	2.86	0.753
Duplicate 1	2/16/2012	0.918	0.0819	<0.0636	0.234	0.300	0.112	0.183	0.104	0.0982	0.352	<0.0636	0.744	0.110	<0.0636	0.353	2.74	0.688
GP-3 (6-8)	2/16/2012	0.0072	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
GP-4 (0-.5)	2/16/2012	1.65	<0.0656	<0.0656	0.238	0.330	0.180	0.271	0.174	0.138	0.441	<0.0656	0.810	0.112	0.0784	0.940	2.36	0.760
GP-4 (8-10)	2/16/2012	0.0074	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063
GP-5 (0-.5)	2/16/2012	1.50	0.200	<0.0632	0.389	0.431	0.189	0.216	0.167	0.157	0.450	<0.0632	0.943	0.271	<0.0632	0.787	2.77	0.954
GP-5 (6-8)	2/16/2012	0.140	0.0460	<0.0060	0.0980	0.126	0.0895	0.0865	0.118	0.0677	0.141	0.0226	0.259	0.0646	0.0387	0.0768	0.600	0.271
GP-6 (0-.5)	2/16/2012	0.171	<0.0558	0.0687	0.407	1.33	1.05	0.784	0.687	0.531	1.22	0.231	1.32	0.0603	0.305	0.0973	1.13	1.75
GP-6 (2-4)	2/16/2012	0.376	<0.0739	<0.0739	0.153	0.388	0.413	0.454	0.339	0.360	0.574	0.111	1.08	<0.0739	0.241	0.206	1.10	0.913
GP-7 (0-0.5)	2/17/2012	0.747	0.0520	<0.0058	0.140	0.219	0.122	0.106	0.0739	0.114	0.327	0.0289	0.478	0.0845	0.0435	0.364	1.39	0.545
GP-7 (6-8)	2/17/2012	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064
GP-8 (0-0.5)	2/17/2012	0.439	0.0712	0.100	0.317	0.466	0.289	0.441	0.221	0.290	0.625	0.0821	1.09	0.115	0.145	0.283	2.49	0.940
GP-8 (8-10)	2/17/2012	0.104	0.0995	0.540	1.66	3.59	3.15	2.05	1.33	2.83	3.32	0.661	7.87	0.420	1.35	0.341	5.03	6.39
GP-9 (0-0.5)	2/17/2012	1.68	<0.0637	<0.0637	0.0869	0.182	<0.0637	0.127	<0.0637	0.0714	0.247	<0.0637	0.483	<0.0637	<0.0637	0.494	2.09	0.593
GP-9 (6-8)	2/17/2012	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	0.0114	0.0109
Duplicate 2	2/17/2012	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	0.0066	0.0130	0.0090	0.0079	0.0103	<0.0066	0.0120	<0.0066	0.0079	<0.0066	0.0111	0.0119
GP-10 (0-0.5)	2/17/2012	3.56	<0.0659	<0.0659	0.130	0.240	0.104	0.185	0.0850	0.0872	0.377	<0.0659	0.458	0.114	<0.0659	2.29	2.15	0.465
GP-10 (6-8)	2/17/2012	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
GP-11 (0-0.5)	2/17/2012	0.361	0.0064	<0.0063	0.0317	0.0656	0.0502	0.0684	0.0458	0.0409	0.0985	0.0141	0.148	<0.0063	0.0279	0.116	0.414	0.170
GP-11 (2-4)	2/17/2012	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063

Notes:

-Analytical results presented in milligrams per kilogram (mg/kg) or parts per million (ppm).

-PAHs = Polyaromatic Hydrocarbons

-Soil samples were analyzed for PAHs using U.S. EPA SW846 Method 8270

- Only the analytes detected in one or more samples are included in this table.

-NA = Not Analyzed

-NE = Not Established

BOLD = Concentrations above their respective Risk Integrated System of Closure (RISC) Residential Default Closure Levels.**BOLD** = Concentrations above their respective Risk Integrated System of Closure (RISC) Interim Nondefault Recreational Levels - Nondefault Closure Levels.

Table 5
Summary of Groundwater Analytical Results
 West Central Indiana Economic Development District
 Former Coal Yard
 116 North Depot Street
 Brazil, Indiana
 ATC Project No. 86.39738.016H

Sample ID	Date Sampled	RCRA Metals			VOCs	
		Arsenic	Barium	Selenium	Tetrachloroethene	Trichloroethene
IDEML RISC RDCLs		10	2,000	50	5	5
IDEML RISC IDCLs		10	20,000	510	55	31
GP-1	2/17/2012	10.7	149	<10.0	<5.0	<5.0
GP-2	2/17/2012	<10.0	<100	<10.0	10.4	<5.0
<i>Duplicate</i>	2/17/2012	<10.0	<100	<10.0	9.6	<5.0
GP-3	2/17/2012	<10.0	<100	<10.0	<5.0	11.1
GP-4	2/17/2012	<10.0	<100	14.0	<5.0	<5.0
GP-5	2/17/2012	<10.0	<100	<10.0	<5.0	<5.0
GP-6	2/17/2012	<10.0	<100	<10.0	<5.0	<5.0

Notes:

- Analytical results presented in micrograms per liter ($\mu\text{g/L}$)
- VOCs = Volatile organic compounds
- Groundwater samples were analyzed for VOCs using U.S. EPA SW846 Method 8260
- RCRA metals = Resource Conservation and Recovery Act metals
- Groundwater samples were analyzed for RCRA metals using U.S. EPA SW846 Method 6000 and 7000 series.
- Only the analytes detected in one or more samples are included in this table.

BOLD	= Concentrations above their respective Risk Integrated System of Closure (RISC) Residential Default Closure Levels.
BOLD	= Concentrations above their respective Risk Integrated System of Closure (RISC) Industrial Default Closure Levels.

APPENDIX A

Soil Boring Logs



7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256
(317) 849-4990
Fax (317) 849-4278

TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-1
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION									
Dark brown/black, slightly moist TOPSOIL with coal debris		1.0			1	2.0		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Gray-brown, slightly moist SILT (ML) with some clay		1.5			2	2.0		0.0*	
Light brown and gray, slightly moist CLAY (CL) with little silt		5.0	5		3	2.0		0.0	
Reddish brown, moist CLAY (CL) with sand		7.0			4	2.0		0.4	
Light brown and gray, moist CLAY (CL) with some black sand		10.0	10		5	2.0		0.0	*Soil samples collected from the 0-0.5 ft and 2-4 ft intervals were submitted for laboratory analysis
Brown, moist SAND (SC) with trace gravel and clay		12.5			6	2.0		0.0	
Brown, moist CLAY (CL)		15.0	15		7	2.0		0.1	
Gray TILL with trace gravel		17.5			8	2.0		0.2	
Brown, very moist SAND (SC)		20.0	20		9	2.0		0.1	
Bottom of Test Boring at 20.0 ft					10	2.0		0.0	

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 18.0 ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-2
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION									
Dark brown/black SILT (ML) and coal debris		1.0			1	2.0		3.3*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Dark brown SILT (ML) with brick fragments		1.5			2	2.0		2.5*	
Gray, moist CLAY (CL) with little sand		2.5			3	2.0		1.2	*Soil samples collected from the 0-0.5 ft and 2-4 ft intervals were submitted for laboratory analysis
Gray, moist SAND (SC) with brick debris		3.0			4	2.0		0.0	MS/MSD #1 was collected from the 2-4 ft interval
Light brown/gray, moist CLAY (CL) with trace sand			5		5	2.0		1.1	
-some brick and debris from 6.0 ft to 6.25 ft					6	2.0		2.2	
-light brown and gray below 6.25 ft					7	2.0	●	1.6	
Brown, moist SAND (SC) with trace clay		9.0	10		8	2.0		1.2	
Light brown and gray, moist CLAY (CL) with trace sand		10.0			9	2.0		0.8	
-moist below 11.0 ft		12.5			10	2.0		0.6	
Brown, very moist SAND (SC)		15.0	15						
Light brown and gray, moist CLAY (CL)		16.0							
-trace sand below 15.5 ft									
Brown, moist SAND (SC)									
-wet from 18.0 ft to 19.0 ft		20.0	20						
Bottom of Test Boring at 20.0 ft									

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 12.5 ft.
- ▽ At Completion (open hole) _____ ft.
- ▼ After _____ hours _____ ft.
- ▣ Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

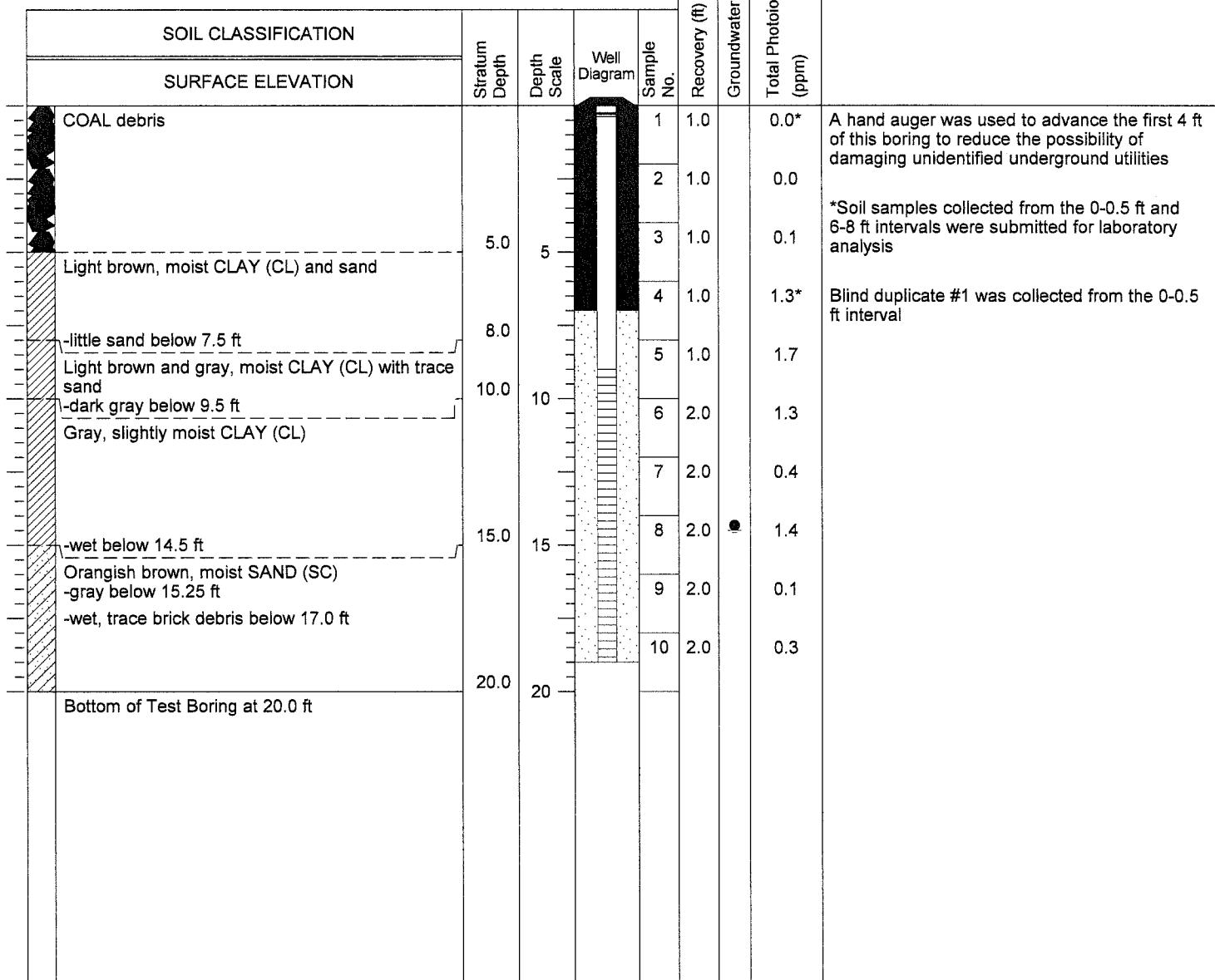
BORING # GP-3
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes



TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 14.5 ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

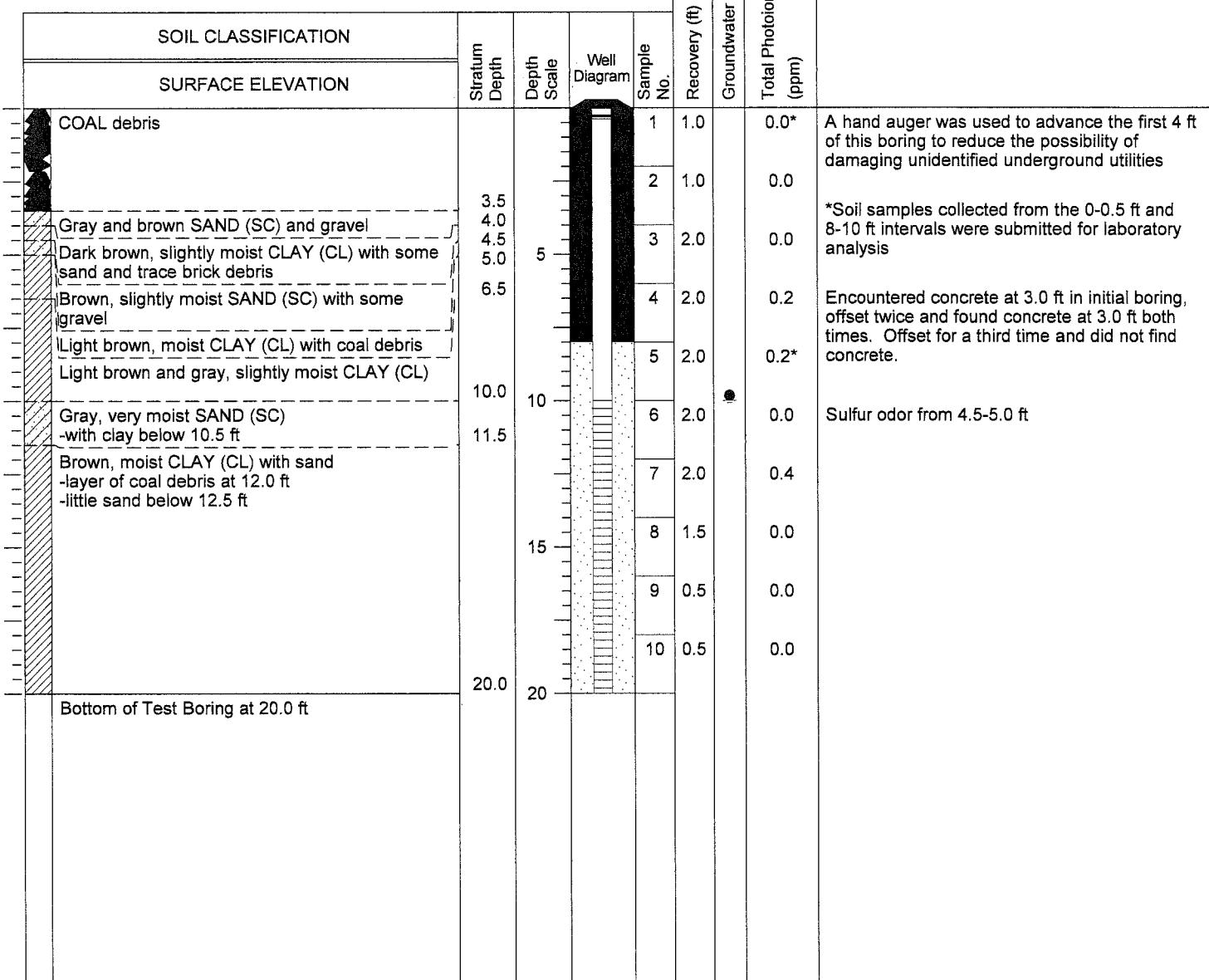
BORING # GP-4
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes



TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 10.0 ft.
- ▽ At Completion (open hole) _____ ft.
- ▼ After _____ hours _____ ft.
- ▣ Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

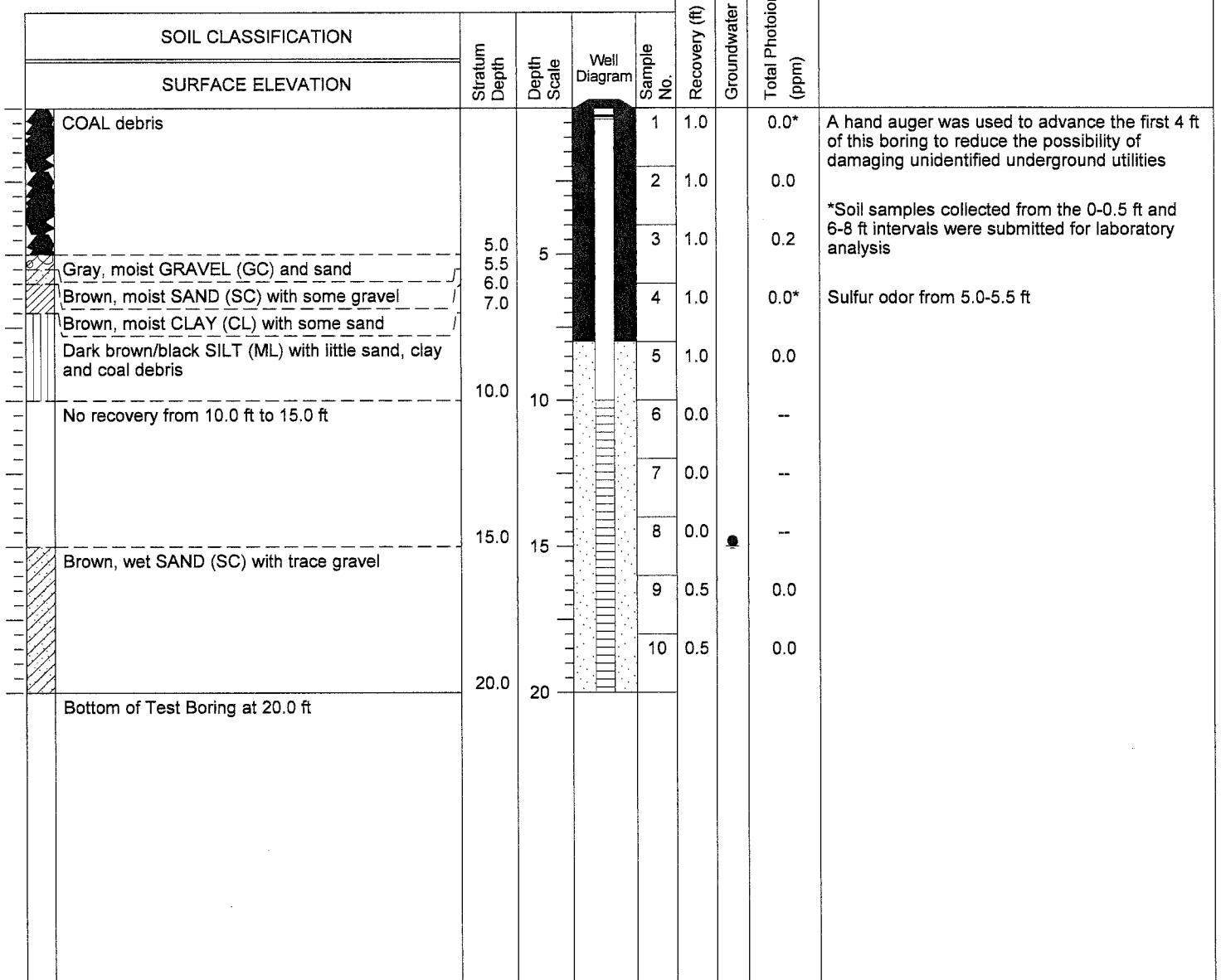
BORING # GP-5
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes



TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 15.0 ft.
- ▽ At Completion (open hole) _____ ft.
- ▼ After _____ hours _____ ft.
- ▣ Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

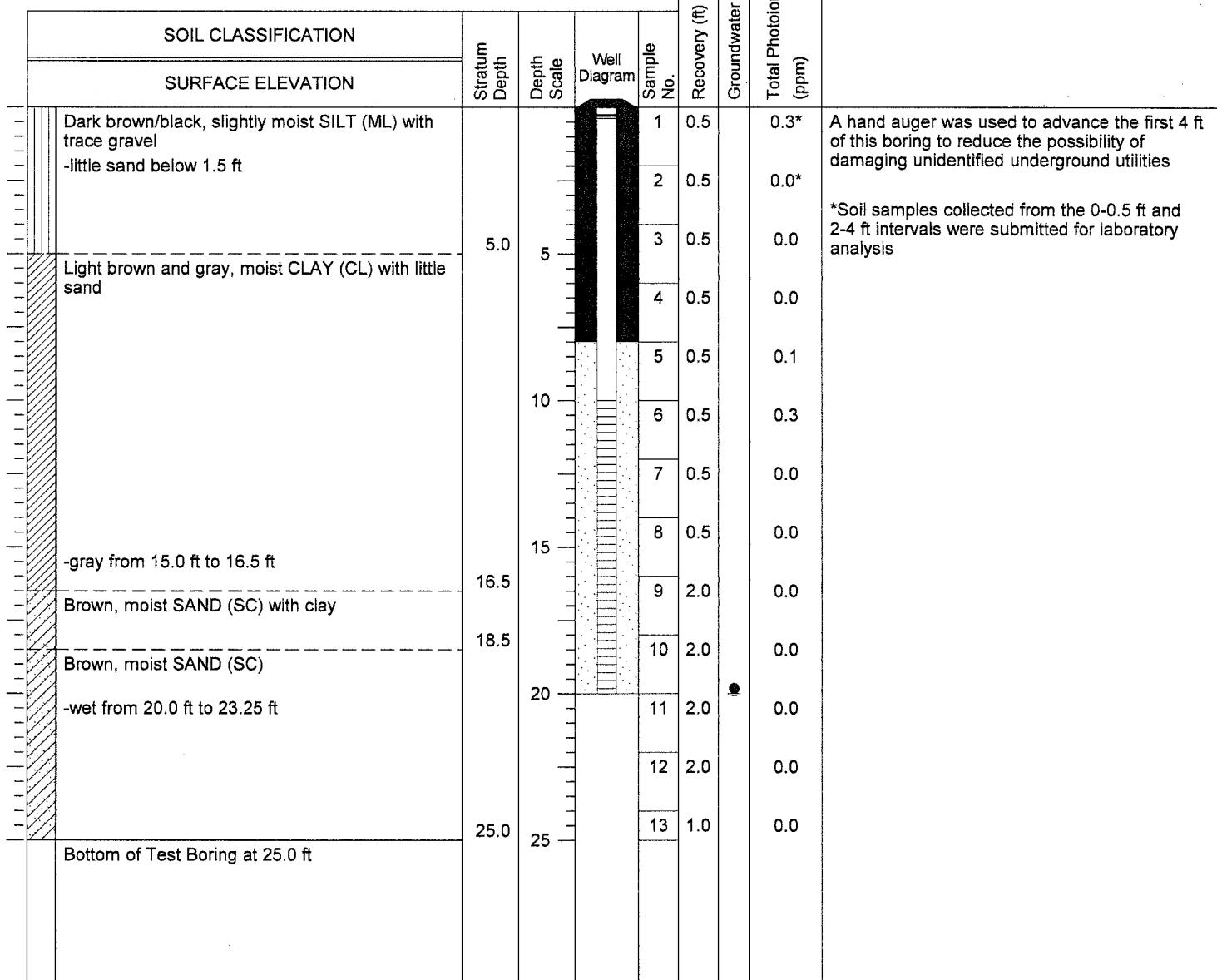
BORING # GP-6
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/16/12 Well Material PVC
Date Completed 2/16/12 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector N. Mathews Slot Size 0.010 in.
Boring Method Geoprobe Development Method Bailer

TEST DATA

Sampling Notes



TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools 20.0 ft.
- ▽ At Completion (open hole) _____ ft.
- ▼ After _____ hours _____ ft.
- ▣ Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-7
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/17/12 Boring Method Geoprobe
Date Completed 2/17/12 Sampler OD _____ in.
Drill Foreman Z. Vaughan Inspector N. Mathews

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION								
COAL debris and little gravel		2.0		1	1.7		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Brown, slightly moist CLAY (CL) with trace gravel		2.8		2	1.7		0.0	
Dark brown, slightly moist SILT (ML) with some clay and coal		3.5						*Soil samples collected from the 0-0.5 ft and 6-8 ft intervals were submitted for laboratory analysis
Gray, rock/COAL		3.8		3	2.0		0.0	
Dark brown, slightly moist SILT (ML) with some coal and clay wet below 4.5 ft		5.3	5	4	2.0		0.0*	Sulfur odor from 3.5-5.25 ft
Gray and brown, moist CLAY (CL)				5	2.0		0.0	MS/MSD #2 was collected from the 6-8 ft interval
Bottom of Test Boring at 10.0 ft		10.0		10				

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools _____ ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-8
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/17/12 Boring Method Geoprobe
Date Completed 2/17/12 Sampler OD _____ in.
Drill Foreman Z. Vaughan Inspector N. Mathews

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION								
COAL debris		2.5		1	0.8		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Brick debris		3.5		2	0.8		0.0	
Dark brown/black, slightly moist SILT (ML) with some coal and clay		5		3	0.8		0.0	*Soil samples collected from the 0-0.5 ft and 8-10 ft intervals were submitted for laboratory analysis
Gray, moist CLAY (CL) -some sand from 9.5 ft to 9.75 ft		9.0		4	1.0		0.0	
Bottom of Test Boring at 10.0 ft		10.0		5	1.0		0.0*	
		10						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools _____ ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-9
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/17/12 Boring Method Geoprobe
Date Completed 2/17/12 Sampler OD _____ in.
Drill Foreman Z. Vaughan Inspector N. Mathews

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION								
COAL debris		2.0		1	1.7		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Brown, slightly moist CLAY (CL) with little coal		2.5		2	1.7		0.0	
Dark brown/black SILT (ML) and clay with coal		4.0		3	1.5		0.0	*Soil samples collected from the 0-0.5 ft and 6-8 ft intervals were submitted for laboratory analysis
Brown SILT (ML) with little clay and trace coal		5.0		4	1.5		0.0*	Duplicate #2 was collected from the 6-8 ft interval
Brown and gray, moist CLAY (CL) -trace coal from 5.0 ft to 6.0 ft		5		5	1.5		0.0	
wet, with gravel from 9.5 ft to 9.75 ft		10.0						
Bottom of Test Boring at 10.0 ft		10						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools _____ ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-10
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/17/12 Boring Method Geoprobe
Date Completed 2/17/12 Sampler OD _____ in.
Drill Foreman Z. Vaughan Inspector N. Mathews

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION								
COAL debris	Dark brown, slightly moist CLAY (CL) and silt with little coal debris	1.0		1	1.5		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
-red, some sand below 4.0 ft		4.3		2	1.5		0.0	
Brown, moist SAND (SC)		4.5		3	2.0		0.0	*Soil samples collected from the 0-0.5 ft and 6-8 ft intervals were submitted for laboratory analysis
Dark brown/black, moist SILT (ML) and clay with some coal		5.0		4	2.0		0.0*	Sulfur odor from 4.5-5.0 ft
Light brown and gray, slightly moist CLAY (CL)				5	2.0		0.0	
Bottom of Test Boring at 10.0 ft		10.0		10				

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools _____ ft.
 At Completion (open hole) _____ ft.
 After _____ hours _____ ft.
 Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump



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TEST BORING LOG

CLIENT WCIEDD
PROJECT NAME Former Coal Yard
PROJECT LOCATION 116 North Depot Street
Brazil, Indiana

BORING # GP-11
JOB # 86.39738.016H

DRILLING and SAMPLING INFORMATION

Date Started 2/17/12 Boring Method Geoprobe
Date Completed 2/17/12 Sampler OD _____ in.
Drill Foreman Z. Vaughan Inspector N. Mathews

TEST DATA

Sampling Notes

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION								
Dark brown/black, moist GRAVEL (GC) and coal debris with some clay		0.3		1	2.0		0.0*	A hand auger was used to advance the first 4 ft of this boring to reduce the possibility of damaging unidentified underground utilities
Brown, moist CLAY (CL) with little coal		0.8			2.0		0.0*	
Dark brown/black, moist SILT (ML) with some coal and clay		1.3		2	2.0		0.0	
Brown, moist CLAY (CL) with trace silt and coal		1.8		3	2.0		0.0	*Soil samples collected from the 0-0.5 ft and 2-4 ft intervals were submitted for laboratory analysis
Dark brown/black, moist SILT (ML) with some coal and clay		2.0		4	2.0		0.0	Sulfur odor from 1.75-2.0 ft
Light brown and gray, slightly moist CLAY (CL)				5	2.0		0.0	
				10	2.0		0.0	
Bottom of Test Boring at 10.0 ft		10.0						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

- Noted on Drilling Tools _____ ft.
- At Completion (open hole) _____ ft.
- After _____ hours _____ ft.
- Cave Depth _____ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

APPENDIX B

Groundwater Sampling Logs, Laboratory Certificates of Analyses and Chains –of- Custody

March 22, 2012

Mr. Rob Walker
ATC Associates
7988 Centerpoint Drive
Indianapolis, IN 46256

RE: Project: WCIEDD - Former Coal Yard
Pace Project No.: 5058731 Revised Report; Metals list corrected, Naphthalene removed from 8260 list.

Dear Mr. Walker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WCIEDD - Former Coal Yard
Pace Project No.: 5058731

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

Page 2 of 75

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SAMPLE SUMMARY

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5058731001	GP-1 (0-.5)	Solid	02/16/12 09:58	02/17/12 15:40
5058731002	GP-1 (2-4)	Solid	02/16/12 10:05	02/17/12 15:40
5058731003	GP-2 (0-.5)	Solid	02/16/12 11:03	02/17/12 15:40
5058731004	GP-2 (2-4)	Solid	02/16/12 11:10	02/17/12 15:40
5058731005	GP-3 (0-.5)	Solid	02/16/12 12:12	02/17/12 15:40
5058731006	GP-3 (6-8)	Solid	02/16/12 12:20	02/17/12 15:40
5058731007	GP-4 (0-.5)	Solid	02/16/12 14:10	02/17/12 15:40
5058731008	GP-4 (8-10)	Solid	02/16/12 14:15	02/17/12 15:40
5058731009	GP-5 (0-.5)	Solid	02/16/12 14:40	02/17/12 15:40
5058731010	GP-5 (6-8)	Solid	02/16/12 14:45	02/17/12 15:40
5058731011	GP-6 (0-.5)	Solid	02/16/12 15:30	02/17/12 15:40
5058731012	GP-6 (2-4)	Solid	02/16/12 15:40	02/17/12 15:40
5058731013	Duplicate	Solid	02/16/12 08:00	02/17/12 15:40
5058731014	Trip Blank	Water	02/16/12 08:00	02/17/12 15:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WCIEDD - Former Coal Yard
Pace Project No.: 5058731

Lab ID	Sample ID	Method	Analysts	Analytics Reported
5058731001	GP-1 (0-5)	EPA 8015 Mod Ext EPA 8015 Mod Pur EPA 6010 EPA 7471 EPA 8270 by SIM EPA 8260 ASTM D2974-87	CEM AMV FRW LLB RRB GRM MLS	2 2 7 1 19 72 1
5058731002	GP-1 (2-4)	EPA 8015 Mod Ext EPA 8015 Mod Pur EPA 6010 EPA 7471 EPA 8270 by SIM EPA 8260 ASTM D2974-87	CEM AMV FRW LLB RRB GRM MLS	2 2 7 1 19 72 1
5058731003	GP-2 (0-5)	EPA 8015 Mod Ext EPA 8015 Mod Pur EPA 6010 EPA 7471 EPA 8270 by SIM EPA 8260 ASTM D2974-87	CEM AMV FRW LLB RRB GRM MLS	2 2 7 1 19 72 1
5058731004	GP-2 (2-4)	EPA 8015 Mod Ext EPA 8015 Mod Pur EPA 6010 EPA 7471 EPA 8270 by SIM EPA 8260 ASTM D2974-87	CEM AMV FRW LLB RRB GRM MLS	2 2 7 1 19 72 1
5058731005	GP-3 (0-5)	EPA 8015 Mod Ext EPA 8015 Mod Pur EPA 6010 EPA 7471 EPA 8270 by SIM EPA 8260 ASTM D2974-87	CEM AMV FRW LLB RRB GRM MLS	2 2 7 1 19 72 1
5058731006	GP-3 (6-8)	EPA 8015 Mod Ext EPA 8015 Mod Pur	CEM AMV	2 2

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WCIEDD - Former Coal Yard
Pace Project No.: 5058731

Lab ID	Sample ID	Method	Analysts	Analytics Reported
5058731007	GP-4 (0-5)	EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
5058731008	GP-4 (8-10)	EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
5058731009	GP-5 (0-5)	EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
5058731010	GP-5 (6-8)	EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058731011	GP-6 (0-5)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WCIEDD - Former Coal Yard
Pace Project No.: 5058731

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5058731012	GP-6 (2-4)	EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
5058731013	Duplicate	ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058731014	Trip Blank	EPA 8260	GRM	72

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (0-5) Lab ID: **5058731001** Collected: 02/16/12 09:58 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	141 mg/kg		11.9	1	02/21/12 12:08	02/22/12 18:13		
Surrogates								
n-Pentacosane (S)	153 %.		30-126	1	02/21/12 12:08	02/22/12 18:13	629-99-2	4d
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.97	1		02/21/12 03:11		
Surrogates								
4-Bromofluorobenzene (S)	89 %.		30-163	1		02/21/12 03:11	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	16.6 mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7440-38-2	
Barium	88.4 mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7440-43-9	
Chromium	76.6 mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7440-47-3	
Lead	46.0 mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7439-92-1	
Selenium	ND mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7782-49-2	
Silver	ND mg/kg		2.3	1	02/21/12 09:33	02/22/12 08:18	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.24	1	02/28/12 10:27	02/29/12 10:31	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	83-32-9	
Acenaphthylene	ND ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	208-96-8	
Anthracene	24.4 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	120-12-7	
Benzo(a)anthracene	84.5 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	56-55-3	
Benzo(a)pyrene	66.2 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	50-32-8	
Benzo(b)fluoranthene	102 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	205-99-2	
Benzo(g,h,i)perylene	90.0 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	191-24-2	
Benzo(k)fluoranthene	51.0 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	207-08-9	
Chrysene	114 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	218-01-9	
Dibenz(a,h)anthracene	22.4 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	53-70-3	
Fluoranthene	175 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	206-44-0	
Fluorene	ND ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	86-73-7	
Indeno(1,2,3-cd)pyrene	44.3 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	193-39-5	
2-Methylnaphthalene	23.7 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	91-57-6	
Naphthalene	15.2 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	91-20-3	
Phenanthrene	361 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	85-01-8	
Pyrene	156 ug/kg		5.9	1	02/22/12 12:40	02/23/12 16:20	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61 %.		46-109	1	02/22/12 12:40	02/23/12 16:20	321-60-8	
p-Terphenyl-d14 (S)	67 %.		43-107	1	02/22/12 12:40	02/23/12 16:20	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		99.3	1		02/25/12 05:06	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (0-5) Lab ID: 5058731001 Collected: 02/16/12 09:58 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		99.3	1		02/25/12 05:06	107-02-8	
Acrylonitrile	ND ug/kg		99.3	1		02/25/12 05:06	107-13-1	
Benzene	ND ug/kg		5.0	1		02/25/12 05:06	71-43-2	
Bromobenzene	ND ug/kg		5.0	1		02/25/12 05:06	108-86-1	
Bromochloromethane	ND ug/kg		5.0	1		02/25/12 05:06	74-97-5	
Bromodichloromethane	ND ug/kg		5.0	1		02/25/12 05:06	75-27-4	
Bromoform	ND ug/kg		5.0	1		02/25/12 05:06	75-25-2	
Bromomethane	ND ug/kg		5.0	1		02/25/12 05:06	74-83-9	
2-Butanone (MEK)	ND ug/kg		24.8	1		02/25/12 05:06	78-93-3	
n-Butylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	104-51-8	
sec-Butylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	135-98-8	
tert-Butylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	98-06-6	
Carbon disulfide	ND ug/kg		9.9	1		02/25/12 05:06	75-15-0	
Carbon tetrachloride	ND ug/kg		5.0	1		02/25/12 05:06	56-23-5	
Chlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	108-90-7	
Chloroethane	ND ug/kg		5.0	1		02/25/12 05:06	75-00-3	
Chloroform	ND ug/kg		5.0	1		02/25/12 05:06	67-66-3	
Chloromethane	ND ug/kg		5.0	1		02/25/12 05:06	74-87-3	
2-Chlorotoluene	ND ug/kg		5.0	1		02/25/12 05:06	95-49-8	
4-Chlorotoluene	ND ug/kg		5.0	1		02/25/12 05:06	106-43-4	
Dibromochloromethane	ND ug/kg		5.0	1		02/25/12 05:06	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.0	1		02/25/12 05:06	106-93-4	
Dibromomethane	ND ug/kg		5.0	1		02/25/12 05:06	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		99.3	1		02/25/12 05:06	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.0	1		02/25/12 05:06	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.0	1		02/25/12 05:06	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.0	1		02/25/12 05:06	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.0	1		02/25/12 05:06	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.0	1		02/25/12 05:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.0	1		02/25/12 05:06	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.0	1		02/25/12 05:06	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.0	1		02/25/12 05:06	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.0	1		02/25/12 05:06	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.0	1		02/25/12 05:06	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.0	1		02/25/12 05:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.0	1		02/25/12 05:06	10061-02-6	
Ethylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	100-41-4	
Ethyl methacrylate	ND ug/kg		99.3	1		02/25/12 05:06	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.0	1		02/25/12 05:06	87-68-3	
n-Hexane	ND ug/kg		5.0	1		02/25/12 05:06	110-54-3	
2-Hexanone	ND ug/kg		99.3	1		02/25/12 05:06	591-78-6	
Iodomethane	ND ug/kg		99.3	1		02/25/12 05:06	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.0	1		02/25/12 05:06	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (0-5) Lab ID: 5058731001 Collected: 02/16/12 09:58 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		5.0	1		02/25/12 05:06	99-87-6	
Methylene Chloride	ND ug/kg		19.9	1		02/25/12 05:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		24.8	1		02/25/12 05:06	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.0	1		02/25/12 05:06	1634-04-4	
n-Propylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	103-65-1	
Styrene	ND ug/kg		5.0	1		02/25/12 05:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.0	1		02/25/12 05:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.0	1		02/25/12 05:06	79-34-5	
Tetrachloroethene	ND ug/kg		5.0	1		02/25/12 05:06	127-18-4	
Toluene	ND ug/kg		5.0	1		02/25/12 05:06	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.0	1		02/25/12 05:06	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.0	1		02/25/12 05:06	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.0	1		02/25/12 05:06	79-00-5	
Trichloroethene	ND ug/kg		5.0	1		02/25/12 05:06	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.0	1		02/25/12 05:06	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.0	1		02/25/12 05:06	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.0	1		02/25/12 05:06	108-67-8	
Vinyl acetate	ND ug/kg		99.3	1		02/25/12 05:06	108-05-4	
Vinyl chloride	ND ug/kg		5.0	1		02/25/12 05:06	75-01-4	
Xylene (Total)	ND ug/kg		9.9	1		02/25/12 05:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	85 %.		71-125	1		02/25/12 05:06	1868-53-7	
Toluene-d8 (S)	101 %.		76-124	1		02/25/12 05:06	2037-26-5	
4-Bromofluorobenzene (S)	105 %.		67-134	1		02/25/12 05:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	15.8 %		0.10	1		02/22/12 11:17		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (2-4) Lab ID: **5058731002** Collected: 02/16/12 10:05 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.5	1	02/21/12 12:08	02/22/12 18:54		
Surrogates								
n-Pentacosane (S)	73 %.		30-126	1	02/21/12 12:08	02/22/12 18:54	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.91	1		02/21/12 03:34		
Surrogates								
4-Bromofluorobenzene (S)	101 %.		30-163	1		02/21/12 03:34	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	10.3 mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7440-38-2	
Barium	179 mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7440-39-3	
Cadmium	ND mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7440-43-9	
Chromium	21.0 mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7440-47-3	
Lead	7.2 mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7439-92-1	
Selenium	ND mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7782-49-2	
Silver	ND mg/kg		2.5	1	02/21/12 09:33	02/22/12 08:21	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.26	1	02/28/12 10:27	02/29/12 10:33	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	83-32-9	
Acenaphthylene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	208-96-8	
Anthracene	11.0 ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	207-08-9	
Chrysene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	53-70-3	
Fluoranthene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	206-44-0	
Fluorene	24.9 ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	193-39-5	
2-Methylnaphthalene	7.6 ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	91-57-6	
Naphthalene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	91-20-3	
Phenanthrene	104 ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	85-01-8	
Pyrene	9.9 ug/kg		6.2	1	02/22/12 12:40	02/23/12 06:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	62 %.		46-109	1	02/22/12 12:40	02/23/12 06:30	321-60-8	
p-Terphenyl-d14 (S)	76 %.		43-107	1	02/22/12 12:40	02/23/12 06:30	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		86.7	1		02/25/12 05:39	67-64-1	

Date: 03/22/2012 02:35 PM

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (2-4) Lab ID: 5058731002 Collected: 02/16/12 10:05 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		86.7	1		02/25/12 05:39	107-02-8	
Acrylonitrile	ND ug/kg		86.7	1		02/25/12 05:39	107-13-1	
Benzene	ND ug/kg		4.3	1		02/25/12 05:39	71-43-2	
Bromobenzene	ND ug/kg		4.3	1		02/25/12 05:39	108-86-1	
Bromochloromethane	ND ug/kg		4.3	1		02/25/12 05:39	74-97-5	
Bromodichloromethane	ND ug/kg		4.3	1		02/25/12 05:39	75-27-4	
Bromoform	ND ug/kg		4.3	1		02/25/12 05:39	75-25-2	
Bromomethane	ND ug/kg		4.3	1		02/25/12 05:39	74-83-9	
2-Butanone (MEK)	ND ug/kg		21.7	1		02/25/12 05:39	78-93-3	
n-Butylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	104-51-8	
sec-Butylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	135-98-8	
tert-Butylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	98-06-6	
Carbon disulfide	ND ug/kg		8.7	1		02/25/12 05:39	75-15-0	
Carbon tetrachloride	ND ug/kg		4.3	1		02/25/12 05:39	56-23-5	
Chlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	108-90-7	
Chloroethane	ND ug/kg		4.3	1		02/25/12 05:39	75-00-3	
Chloroform	ND ug/kg		4.3	1		02/25/12 05:39	67-66-3	
Chloromethane	ND ug/kg		4.3	1		02/25/12 05:39	74-87-3	
2-Chlorotoluene	ND ug/kg		4.3	1		02/25/12 05:39	95-49-8	
4-Chlorotoluene	ND ug/kg		4.3	1		02/25/12 05:39	106-43-4	
Dibromochloromethane	ND ug/kg		4.3	1		02/25/12 05:39	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.3	1		02/25/12 05:39	106-93-4	
Dibromomethane	ND ug/kg		4.3	1		02/25/12 05:39	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		86.7	1		02/25/12 05:39	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.3	1		02/25/12 05:39	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.3	1		02/25/12 05:39	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.3	1		02/25/12 05:39	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.3	1		02/25/12 05:39	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.3	1		02/25/12 05:39	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.3	1		02/25/12 05:39	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.3	1		02/25/12 05:39	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.3	1		02/25/12 05:39	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.3	1		02/25/12 05:39	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.3	1		02/25/12 05:39	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.3	1		02/25/12 05:39	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.3	1		02/25/12 05:39	10061-02-6	
Ethylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	100-41-4	
Ethyl methacrylate	ND ug/kg		86.7	1		02/25/12 05:39	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.3	1		02/25/12 05:39	87-68-3	
n-Hexane	ND ug/kg		4.3	1		02/25/12 05:39	110-54-3	
2-Hexanone	ND ug/kg		86.7	1		02/25/12 05:39	591-78-6	
Iodomethane	ND ug/kg		86.7	1		02/25/12 05:39	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.3	1		02/25/12 05:39	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-1 (2-4) Lab ID: 5058731002 Collected: 02/16/12 10:05 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		4.3	1		02/25/12 05:39	99-87-6	
Methylene Chloride	ND ug/kg		17.3	1		02/25/12 05:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		21.7	1		02/25/12 05:39	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.3	1		02/25/12 05:39	1634-04-4	
n-Propylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	103-65-1	
Styrene	ND ug/kg		4.3	1		02/25/12 05:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.3	1		02/25/12 05:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.3	1		02/25/12 05:39	79-34-5	
Tetrachloroethene	ND ug/kg		4.3	1		02/25/12 05:39	127-18-4	
Toluene	ND ug/kg		4.3	1		02/25/12 05:39	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.3	1		02/25/12 05:39	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.3	1		02/25/12 05:39	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.3	1		02/25/12 05:39	79-00-5	
Trichloroethene	ND ug/kg		4.3	1		02/25/12 05:39	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.3	1		02/25/12 05:39	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.3	1		02/25/12 05:39	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.3	1		02/25/12 05:39	108-67-8	
Vinyl acetate	ND ug/kg		86.7	1		02/25/12 05:39	108-05-4	
Vinyl chloride	ND ug/kg		4.3	1		02/25/12 05:39	75-01-4	
Xylene (Total)	ND ug/kg		8.7	1		02/25/12 05:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	83 %.		71-125	1		02/25/12 05:39	1868-53-7	
Toluene-d8 (S)	99 %.		76-124	1		02/25/12 05:39	2037-26-5	
4-Bromofluorobenzene (S)	102 %.		67-134	1		02/25/12 05:39	460-00-4	
Percent Moisture								
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture		20.0 %		0.10	1		02/22/12 11:18	

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (0-5) Lab ID: **5058731003** Collected: 02/16/12 11:03 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	55.2 mg/kg		12.4	1	02/21/12 12:08	02/22/12 18:20		
Surrogates								
n-Pentacosane (S)	120 %.		30-126	1	02/21/12 12:08	02/22/12 18:20	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.4	1		02/21/12 03:57		
Surrogates								
4-Bromofluorobenzene (S)	37 %.		30-163	1		02/21/12 03:57	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.6 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7440-38-2	
Barium	104 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7440-39-3	
Cadmium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7440-43-9	
Chromium	15.8 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7440-47-3	
Lead	21.2 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7439-92-1	
Selenium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7782-49-2	
Silver	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:27	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.97 mg/kg		0.26	1	02/28/12 10:27	02/29/12 10:35	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	11.5 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	83-32-9	
Acenaphthylene	ND ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	208-96-8	
Anthracene	27.4 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	120-12-7	
Benzo(a)anthracene	44.3 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	56-55-3	
Benzo(a)pyrene	40.3 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	50-32-8	
Benzo(b)fluoranthene	36.9 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	205-99-2	
Benzo(g,h,i)perylene	24.8 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	191-24-2	
Benzo(k)fluoranthene	33.6 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	207-08-9	
Chrysene	51.1 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	218-01-9	
Dibenz(a,h)anthracene	9.7 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	53-70-3	
Fluoranthene	107 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	206-44-0	
Fluorene	8.8 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	86-73-7	
Indeno(1,2,3-cd)pyrene	20.7 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	193-39-5	
2-Methylnaphthalene	8.7 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	91-57-6	
Naphthalene	10.7 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	91-20-3	
Phenanthrene	122 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	85-01-8	
Pyrene	96.8 ug/kg		6.2	1	02/22/12 12:40	02/23/12 10:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52 %.		46-109	1	02/22/12 12:40	02/23/12 10:04	321-60-8	
p-Terphenyl-d14 (S)	68 %.		43-107	1	02/22/12 12:40	02/23/12 10:04	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		109	1		02/25/12 06:11	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (0-5) Lab ID: 5058731003 Collected: 02/16/12 11:03 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		109	1		02/25/12 06:11	107-02-8	
Acrylonitrile	ND ug/kg		109	1		02/25/12 06:11	107-13-1	
Benzene	ND ug/kg		5.4	1		02/25/12 06:11	71-43-2	
Bromobenzene	ND ug/kg		5.4	1		02/25/12 06:11	108-86-1	
Bromochloromethane	ND ug/kg		5.4	1		02/25/12 06:11	74-97-5	
Bromodichloromethane	ND ug/kg		5.4	1		02/25/12 06:11	75-27-4	
Bromoform	ND ug/kg		5.4	1		02/25/12 06:11	75-25-2	
Bromomethane	ND ug/kg		5.4	1		02/25/12 06:11	74-83-9	
2-Butanone (MEK)	ND ug/kg		27.2	1		02/25/12 06:11	78-93-3	
n-Butylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	104-51-8	
sec-Butylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	135-98-8	
tert-Butylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	98-06-6	
Carbon disulfide	ND ug/kg		10.9	1		02/25/12 06:11	75-15-0	
Carbon tetrachloride	ND ug/kg		5.4	1		02/25/12 06:11	56-23-5	
Chlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	108-90-7	
Chloroethane	ND ug/kg		5.4	1		02/25/12 06:11	75-00-3	
Chloroform	ND ug/kg		5.4	1		02/25/12 06:11	67-66-3	
Chloromethane	ND ug/kg		5.4	1		02/25/12 06:11	74-87-3	
2-Chlorotoluene	ND ug/kg		5.4	1		02/25/12 06:11	95-49-8	
4-Chlorotoluene	ND ug/kg		5.4	1		02/25/12 06:11	106-43-4	
Dibromochloromethane	ND ug/kg		5.4	1		02/25/12 06:11	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.4	1		02/25/12 06:11	106-93-4	
Dibromomethane	ND ug/kg		5.4	1		02/25/12 06:11	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		109	1		02/25/12 06:11	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.4	1		02/25/12 06:11	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.4	1		02/25/12 06:11	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.4	1		02/25/12 06:11	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.4	1		02/25/12 06:11	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.4	1		02/25/12 06:11	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.4	1		02/25/12 06:11	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.4	1		02/25/12 06:11	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.4	1		02/25/12 06:11	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.4	1		02/25/12 06:11	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.4	1		02/25/12 06:11	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.4	1		02/25/12 06:11	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.4	1		02/25/12 06:11	10061-02-6	
Ethylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	100-41-4	
Ethyl methacrylate	ND ug/kg		109	1		02/25/12 06:11	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.4	1		02/25/12 06:11	87-68-3	
n-Hexane	ND ug/kg		5.4	1		02/25/12 06:11	110-54-3	
2-Hexanone	ND ug/kg		109	1		02/25/12 06:11	591-78-6	
Iodomethane	ND ug/kg		109	1		02/25/12 06:11	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.4	1		02/25/12 06:11	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (0-5) Lab ID: 5058731003 Collected: 02/16/12 11:03 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		5.4	1		02/25/12 06:11	99-87-6	
Methylene Chloride	ND ug/kg		21.8	1		02/25/12 06:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		27.2	1		02/25/12 06:11	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.4	1		02/25/12 06:11	1634-04-4	
n-Propylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	103-65-1	
Styrene	ND ug/kg		5.4	1		02/25/12 06:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.4	1		02/25/12 06:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.4	1		02/25/12 06:11	79-34-5	
Tetrachloroethene	ND ug/kg		5.4	1		02/25/12 06:11	127-18-4	
Toluene	ND ug/kg		5.4	1		02/25/12 06:11	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.4	1		02/25/12 06:11	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.4	1		02/25/12 06:11	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.4	1		02/25/12 06:11	79-00-5	
Trichloroethene	ND ug/kg		5.4	1		02/25/12 06:11	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.4	1		02/25/12 06:11	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.4	1		02/25/12 06:11	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.4	1		02/25/12 06:11	108-67-8	
Vinyl acetate	ND ug/kg		109	1		02/25/12 06:11	108-05-4	
Vinyl chloride	ND ug/kg		5.4	1		02/25/12 06:11	75-01-4	
Xylene (Total)	ND ug/kg		10.9	1		02/25/12 06:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	85 %.		71-125	1		02/25/12 06:11	1868-53-7	
Toluene-d8 (S)	100 %.		76-124	1		02/25/12 06:11	2037-26-5	
4-Bromofluorobenzene (S)	98 %.		67-134	1		02/25/12 06:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	19.5 %		0.10	1		02/22/12 11:18		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (2-4) Lab ID: **5058731004** Collected: 02/16/12 11:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.1	1	02/21/12 12:08	02/22/12 19:01		
Surrogates								
n-Pentacosane (S)	59 %.		30-126	1	02/21/12 12:08	02/22/12 19:01	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.92	1		02/21/12 04:20		
Surrogates								
4-Bromofluorobenzene (S)	73 %.		30-163	1		02/21/12 04:20	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.7 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7440-38-2	
Barium	52.3 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7440-43-9	
Chromium	11.7 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7440-47-3	
Lead	8.6 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7439-92-1	
Selenium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7782-49-2	
Silver	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:29	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.24	1	02/28/12 10:27	02/29/12 10:37	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	83-32-9	
Acenaphthylene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	208-96-8	
Anthracene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	207-08-9	
Chrysene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	53-70-3	
Fluoranthene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	206-44-0	
Fluorene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	91-57-6	
Naphthalene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	91-20-3	
Phenanthrene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	85-01-8	
Pyrene	ND ug/kg		6.1	1	02/22/12 12:40	02/23/12 06:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57 %.		46-109	1	02/22/12 12:40	02/23/12 06:48	321-60-8	
p-Terphenyl-d14 (S)	70 %.		43-107	1	02/22/12 12:40	02/23/12 06:48	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		154	1		02/25/12 06:43	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (2-4) Lab ID: 5058731004 Collected: 02/16/12 11:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		154	1		02/25/12 06:43	107-02-8	
Acrylonitrile	ND ug/kg		154	1		02/25/12 06:43	107-13-1	
Benzene	ND ug/kg		7.7	1		02/25/12 06:43	71-43-2	
Bromobenzene	ND ug/kg		7.7	1		02/25/12 06:43	108-86-1	
Bromochloromethane	ND ug/kg		7.7	1		02/25/12 06:43	74-97-5	
Bromodichloromethane	ND ug/kg		7.7	1		02/25/12 06:43	75-27-4	
Bromoform	ND ug/kg		7.7	1		02/25/12 06:43	75-25-2	
Bromomethane	ND ug/kg		7.7	1		02/25/12 06:43	74-83-9	
2-Butanone (MEK)	ND ug/kg		38.4	1		02/25/12 06:43	78-93-3	
n-Butylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	104-51-8	
sec-Butylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	135-98-8	
tert-Butylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	98-06-6	
Carbon disulfide	ND ug/kg		15.4	1		02/25/12 06:43	75-15-0	
Carbon tetrachloride	ND ug/kg		7.7	1		02/25/12 06:43	56-23-5	
Chlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	108-90-7	
Chloroethane	ND ug/kg		7.7	1		02/25/12 06:43	75-00-3	
Chloroform	ND ug/kg		7.7	1		02/25/12 06:43	67-66-3	
Chloromethane	ND ug/kg		7.7	1		02/25/12 06:43	74-87-3	
2-Chlorotoluene	ND ug/kg		7.7	1		02/25/12 06:43	95-49-8	
4-Chlorotoluene	ND ug/kg		7.7	1		02/25/12 06:43	106-43-4	
Dibromochloromethane	ND ug/kg		7.7	1		02/25/12 06:43	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		7.7	1		02/25/12 06:43	106-93-4	
Dibromomethane	ND ug/kg		7.7	1		02/25/12 06:43	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		154	1		02/25/12 06:43	110-57-6	
Dichlorodifluoromethane	ND ug/kg		7.7	1		02/25/12 06:43	75-71-8	
1,1-Dichloroethane	ND ug/kg		7.7	1		02/25/12 06:43	75-34-3	
1,2-Dichloroethane	ND ug/kg		7.7	1		02/25/12 06:43	107-06-2	
1,1-Dichloroethene	ND ug/kg		7.7	1		02/25/12 06:43	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		7.7	1		02/25/12 06:43	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		7.7	1		02/25/12 06:43	156-60-5	
1,2-Dichloropropane	ND ug/kg		7.7	1		02/25/12 06:43	78-87-5	
1,3-Dichloropropane	ND ug/kg		7.7	1		02/25/12 06:43	142-28-9	
2,2-Dichloropropane	ND ug/kg		7.7	1		02/25/12 06:43	594-20-7	
1,1-Dichloropropene	ND ug/kg		7.7	1		02/25/12 06:43	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		7.7	1		02/25/12 06:43	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		7.7	1		02/25/12 06:43	10061-02-6	
Ethylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	100-41-4	
Ethyl methacrylate	ND ug/kg		154	1		02/25/12 06:43	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		7.7	1		02/25/12 06:43	87-68-3	
n-Hexane	ND ug/kg		7.7	1		02/25/12 06:43	110-54-3	
2-Hexanone	ND ug/kg		154	1		02/25/12 06:43	591-78-6	
Iodomethane	ND ug/kg		154	1		02/25/12 06:43	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		7.7	1		02/25/12 06:43	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-2 (2-4) Lab ID: 5058731004 Collected: 02/16/12 11:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		7.7	1		02/25/12 06:43	99-87-6	
Methylene Chloride	ND ug/kg		30.7	1		02/25/12 06:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		38.4	1		02/25/12 06:43	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		7.7	1		02/25/12 06:43	1634-04-4	
n-Propylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	103-65-1	
Styrene	ND ug/kg		7.7	1		02/25/12 06:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		7.7	1		02/25/12 06:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		7.7	1		02/25/12 06:43	79-34-5	
Tetrachloroethene	ND ug/kg		7.7	1		02/25/12 06:43	127-18-4	
Toluene	ND ug/kg		7.7	1		02/25/12 06:43	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		7.7	1		02/25/12 06:43	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		7.7	1		02/25/12 06:43	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		7.7	1		02/25/12 06:43	79-00-5	
Trichloroethene	ND ug/kg		7.7	1		02/25/12 06:43	79-01-6	
Trichlorofluoromethane	ND ug/kg		7.7	1		02/25/12 06:43	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		7.7	1		02/25/12 06:43	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		7.7	1		02/25/12 06:43	108-67-8	
Vinyl acetate	ND ug/kg		154	1		02/25/12 06:43	108-05-4	
Vinyl chloride	ND ug/kg		7.7	1		02/25/12 06:43	75-01-4	
Xylene (Total)	ND ug/kg		15.4	1		02/25/12 06:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	83 %.		71-125	1		02/25/12 06:43	1868-53-7	
Toluene-d8 (S)	100 %.		76-124	1		02/25/12 06:43	2037-26-5	
4-Bromofluorobenzene (S)	99 %.		67-134	1		02/25/12 06:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.4 %		0.10	1		02/22/12 11:18		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (0-5) Lab ID: **5058731005** Collected: 02/16/12 12:12 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	1080 mg/kg		65.1	5	02/21/12 12:08	02/23/12 18:55		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/21/12 12:08	02/23/12 18:55	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		2.0	1		02/21/12 05:29		
Surrogates								
4-Bromofluorobenzene (S)	72 %.		30-163	1		02/21/12 05:29	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	19.4 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7440-38-2	
Barium	103 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7440-39-3	
Cadmium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7440-43-9	
Chromium	8.7 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7440-47-3	
Lead	34.5 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7439-92-1	
Selenium	6.5 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7782-49-2	
Silver	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:40	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	02/28/12 10:27	02/29/12 10:43	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	73.8 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	83-32-9	
Acenaphthylene	ND ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	208-96-8	
Anthracene	221 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	120-12-7	
Benzo(a)anthracene	333 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	56-55-3	
Benzo(a)pyrene	130 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	50-32-8	
Benzo(b)fluoranthene	212 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	205-99-2	
Benzo(g,h,i)perylene	131 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	191-24-2	
Benzo(k)fluoranthene	128 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	207-08-9	
Chrysene	443 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	53-70-3	
Fluoranthene	922 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	206-44-0	
Fluorene	127 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	193-39-5	
2-Methylnaphthalene	424 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	91-57-6	
Naphthalene	205 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	91-20-3	3d
Phenanthrene	2860 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	85-01-8	
Pyrene	753 ug/kg		65.1	10	02/22/12 12:40	02/23/12 10:58	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56 %.		46-109	10	02/22/12 12:40	02/23/12 10:58	321-60-8	
p-Terphenyl-d14 (S)	68 %.		43-107	10	02/22/12 12:40	02/23/12 10:58	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		182	1		02/28/12 01:36	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (0-5) Lab ID: 5058731005 Collected: 02/16/12 12:12 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		182	1		02/28/12 01:36	107-02-8	
Acrylonitrile	ND ug/kg		182	1		02/28/12 01:36	107-13-1	
Benzene	ND ug/kg		9.1	1		02/28/12 01:36	71-43-2	
Bromobenzene	ND ug/kg		9.1	1		02/28/12 01:36	108-86-1	
Bromochloromethane	ND ug/kg		9.1	1		02/28/12 01:36	74-97-5	
Bromodichloromethane	ND ug/kg		9.1	1		02/28/12 01:36	75-27-4	
Bromoform	ND ug/kg		9.1	1		02/28/12 01:36	75-25-2	
Bromomethane	ND ug/kg		9.1	1		02/28/12 01:36	74-83-9	
2-Butanone (MEK)	ND ug/kg		45.6	1		02/28/12 01:36	78-93-3	
n-Butylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	104-51-8	
sec-Butylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	135-98-8	
tert-Butylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	98-06-6	
Carbon disulfide	ND ug/kg		18.2	1		02/28/12 01:36	75-15-0	
Carbon tetrachloride	ND ug/kg		9.1	1		02/28/12 01:36	56-23-5	
Chlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	108-90-7	
Chloroethane	ND ug/kg		9.1	1		02/28/12 01:36	75-00-3	
Chloroform	ND ug/kg		9.1	1		02/28/12 01:36	67-66-3	
Chloromethane	ND ug/kg		9.1	1		02/28/12 01:36	74-87-3	
2-Chlorotoluene	ND ug/kg		9.1	1		02/28/12 01:36	95-49-8	
4-Chlorotoluene	ND ug/kg		9.1	1		02/28/12 01:36	106-43-4	
Dibromochloromethane	ND ug/kg		9.1	1		02/28/12 01:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		9.1	1		02/28/12 01:36	106-93-4	
Dibromomethane	ND ug/kg		9.1	1		02/28/12 01:36	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		182	1		02/28/12 01:36	110-57-6	
Dichlorodifluoromethane	ND ug/kg		9.1	1		02/28/12 01:36	75-71-8	
1,1-Dichloroethane	ND ug/kg		9.1	1		02/28/12 01:36	75-34-3	
1,2-Dichloroethane	ND ug/kg		9.1	1		02/28/12 01:36	107-06-2	
1,1-Dichloroethene	ND ug/kg		9.1	1		02/28/12 01:36	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		9.1	1		02/28/12 01:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		9.1	1		02/28/12 01:36	156-60-5	
1,2-Dichloropropane	ND ug/kg		9.1	1		02/28/12 01:36	78-87-5	
1,3-Dichloropropane	ND ug/kg		9.1	1		02/28/12 01:36	142-28-9	
2,2-Dichloropropane	ND ug/kg		9.1	1		02/28/12 01:36	594-20-7	
1,1-Dichloropropene	ND ug/kg		9.1	1		02/28/12 01:36	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		9.1	1		02/28/12 01:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		9.1	1		02/28/12 01:36	10061-02-6	
Ethylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	100-41-4	
Ethyl methacrylate	ND ug/kg		182	1		02/28/12 01:36	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		9.1	1		02/28/12 01:36	87-68-3	
n-Hexane	ND ug/kg		9.1	1		02/28/12 01:36	110-54-3	
2-Hexanone	ND ug/kg		182	1		02/28/12 01:36	591-78-6	
Iodomethane	ND ug/kg		182	1		02/28/12 01:36	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		9.1	1		02/28/12 01:36	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (0-5) Lab ID: 5058731005 Collected: 02/16/12 12:12 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		9.1	1		02/28/12 01:36	99-87-6	
Methylene Chloride	ND ug/kg		36.5	1		02/28/12 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		45.6	1		02/28/12 01:36	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		9.1	1		02/28/12 01:36	1634-04-4	
n-Propylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	103-65-1	
Styrene	ND ug/kg		9.1	1		02/28/12 01:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		9.1	1		02/28/12 01:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		9.1	1		02/28/12 01:36	79-34-5	
Tetrachloroethene	ND ug/kg		9.1	1		02/28/12 01:36	127-18-4	
Toluene	ND ug/kg		9.1	1		02/28/12 01:36	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		9.1	1		02/28/12 01:36	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		9.1	1		02/28/12 01:36	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		9.1	1		02/28/12 01:36	79-00-5	
Trichloroethene	ND ug/kg		9.1	1		02/28/12 01:36	79-01-6	
Trichlorofluoromethane	ND ug/kg		9.1	1		02/28/12 01:36	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		9.1	1		02/28/12 01:36	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		9.1	1		02/28/12 01:36	108-67-8	
Vinyl acetate	ND ug/kg		182	1		02/28/12 01:36	108-05-4	
Vinyl chloride	ND ug/kg		9.1	1		02/28/12 01:36	75-01-4	
Xylene (Total)	ND ug/kg		18.2	1		02/28/12 01:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %.		71-125	1		02/28/12 01:36	1868-53-7	
Toluene-d8 (S)	106 %.		76-124	1		02/28/12 01:36	2037-26-5	
4-Bromofluorobenzene (S)	89 %.		67-134	1		02/28/12 01:36	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	23.2 %		0.10	1		02/22/12 11:19		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (6-8) Lab ID: **5058731006** Collected: 02/16/12 12:20 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.0	1	02/21/12 12:08	02/22/12 19:21		
Surrogates								
n-Pentacosane (S)	73 %.		30-126	1	02/21/12 12:08	02/22/12 19:21	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.84	1		02/21/12 05:52		
Surrogates								
4-Bromofluorobenzene (S)	90 %.		30-163	1		02/21/12 05:52	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.5 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7440-38-2	
Barium	126 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7440-43-9	
Chromium	13.4 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7440-47-3	
Lead	8.2 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7439-92-1	
Selenium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7782-49-2	
Silver	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:42	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.23	1	02/28/12 10:27	02/29/12 10:50	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	83-32-9	
Acenaphthylene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	208-96-8	
Anthracene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	207-08-9	
Chrysene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	53-70-3	
Fluoranthene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	206-44-0	
Fluorene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	193-39-5	
2-Methylnaphthalene	7.2 ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	91-57-6	
Naphthalene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	91-20-3	
Phenanthrene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	85-01-8	
Pyrene	ND ug/kg		6.0	1	02/22/12 12:40	02/22/12 23:03	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63 %.		46-109	1	02/22/12 12:40	02/22/12 23:03	321-60-8	
p-Terphenyl-d14 (S)	78 %.		43-107	1	02/22/12 12:40	02/22/12 23:03	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		103	1		02/25/12 08:52	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (6-8) Lab ID: 5058731006 Collected: 02/16/12 12:20 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		103	1		02/25/12 08:52	107-02-8	
Acrylonitrile	ND ug/kg		103	1		02/25/12 08:52	107-13-1	
Benzene	ND ug/kg		5.1	1		02/25/12 08:52	71-43-2	
Bromobenzene	ND ug/kg		5.1	1		02/25/12 08:52	108-86-1	
Bromochloromethane	ND ug/kg		5.1	1		02/25/12 08:52	74-97-5	
Bromodichloromethane	ND ug/kg		5.1	1		02/25/12 08:52	75-27-4	
Bromoform	ND ug/kg		5.1	1		02/25/12 08:52	75-25-2	
Bromomethane	ND ug/kg		5.1	1		02/25/12 08:52	74-83-9	
2-Butanone (MEK)	ND ug/kg		25.7	1		02/25/12 08:52	78-93-3	
n-Butylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	104-51-8	
sec-Butylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	135-98-8	
tert-Butylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	98-06-6	
Carbon disulfide	ND ug/kg		10.3	1		02/25/12 08:52	75-15-0	
Carbon tetrachloride	ND ug/kg		5.1	1		02/25/12 08:52	56-23-5	
Chlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	108-90-7	
Chloroethane	ND ug/kg		5.1	1		02/25/12 08:52	75-00-3	
Chloroform	ND ug/kg		5.1	1		02/25/12 08:52	67-66-3	
Chloromethane	ND ug/kg		5.1	1		02/25/12 08:52	74-87-3	
2-Chlorotoluene	ND ug/kg		5.1	1		02/25/12 08:52	95-49-8	
4-Chlorotoluene	ND ug/kg		5.1	1		02/25/12 08:52	106-43-4	
Dibromochloromethane	ND ug/kg		5.1	1		02/25/12 08:52	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.1	1		02/25/12 08:52	106-93-4	
Dibromomethane	ND ug/kg		5.1	1		02/25/12 08:52	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		103	1		02/25/12 08:52	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.1	1		02/25/12 08:52	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.1	1		02/25/12 08:52	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.1	1		02/25/12 08:52	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.1	1		02/25/12 08:52	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.1	1		02/25/12 08:52	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.1	1		02/25/12 08:52	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.1	1		02/25/12 08:52	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.1	1		02/25/12 08:52	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.1	1		02/25/12 08:52	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.1	1		02/25/12 08:52	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.1	1		02/25/12 08:52	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.1	1		02/25/12 08:52	10061-02-6	
Ethylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	100-41-4	
Ethyl methacrylate	ND ug/kg		103	1		02/25/12 08:52	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.1	1		02/25/12 08:52	87-68-3	
n-Hexane	ND ug/kg		5.1	1		02/25/12 08:52	110-54-3	
2-Hexanone	ND ug/kg		103	1		02/25/12 08:52	591-78-6	
Iodomethane	ND ug/kg		103	1		02/25/12 08:52	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.1	1		02/25/12 08:52	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-3 (6-8) Lab ID: 5058731006 Collected: 02/16/12 12:20 Received: 02/17/12 15:40 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		5.1	1		02/25/12 08:52	99-87-6	
Methylene Chloride	ND ug/kg		20.5	1		02/25/12 08:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		25.7	1		02/25/12 08:52	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.1	1		02/25/12 08:52	1634-04-4	
n-Propylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	103-65-1	
Styrene	ND ug/kg		5.1	1		02/25/12 08:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.1	1		02/25/12 08:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.1	1		02/25/12 08:52	79-34-5	
Tetrachloroethene	ND ug/kg		5.1	1		02/25/12 08:52	127-18-4	
Toluene	ND ug/kg		5.1	1		02/25/12 08:52	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.1	1		02/25/12 08:52	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.1	1		02/25/12 08:52	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.1	1		02/25/12 08:52	79-00-5	
Trichloroethene	ND ug/kg		5.1	1		02/25/12 08:52	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.1	1		02/25/12 08:52	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.1	1		02/25/12 08:52	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.1	1		02/25/12 08:52	108-67-8	
Vinyl acetate	ND ug/kg		103	1		02/25/12 08:52	108-05-4	
Vinyl chloride	ND ug/kg		5.1	1		02/25/12 08:52	75-01-4	
Xylene (Total)	ND ug/kg		10.3	1		02/25/12 08:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	83 %.		71-125	1		02/25/12 08:52	1868-53-7	
Toluene-d8 (S)	101 %.		76-124	1		02/25/12 08:52	2037-26-5	
4-Bromofluorobenzene (S)	100 %.		67-134	1		02/25/12 08:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	16.5 %		0.10	1		02/22/12 11:19		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (0-5) Lab ID: **5058731007** Collected: 02/16/12 14:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	776 mg/kg		65.6	5	02/21/12 12:08	02/23/12 19:01		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/21/12 12:08	02/23/12 19:01	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.9	1		02/21/12 06:15		
Surrogates								
4-Bromofluorobenzene (S)	87 %.		30-163	1		02/21/12 06:15	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	14.2 mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7440-38-2	
Barium	72.9 mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7440-39-3	
Cadmium	ND mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7440-43-9	
Chromium	13.7 mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7440-47-3	
Lead	35.0 mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7439-92-1	
Selenium	3.8 mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7782-49-2	
Silver	ND mg/kg		2.6	1	02/21/12 09:33	02/22/12 08:44	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	02/28/12 10:27	02/29/12 10:52	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	83-32-9	
Acenaphthylene	ND ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	208-96-8	
Anthracene	238 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	120-12-7	
Benzo(a)anthracene	330 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	56-55-3	
Benzo(a)pyrene	180 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	50-32-8	
Benzo(b)fluoranthene	271 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	205-99-2	
Benzo(g,h,i)perylene	174 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	191-24-2	
Benzo(k)fluoranthene	138 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	207-08-9	
Chrysene	441 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	53-70-3	
Fluoranthene	810 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	206-44-0	
Fluorene	112 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	86-73-7	
Indeno(1,2,3-cd)pyrene	78.4 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	193-39-5	
2-Methylnaphthalene	1650 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	91-57-6	
Naphthalene	940 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	91-20-3	3d
Phenanthrene	2360 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	85-01-8	
Pyrene	760 ug/kg		65.6	10	02/22/12 12:40	02/23/12 11:16	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63 %.		46-109	10	02/22/12 12:40	02/23/12 11:16	321-60-8	
p-Terphenyl-d14 (S)	63 %.		43-107	10	02/22/12 12:40	02/23/12 11:16	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		151	1		02/25/12 09:24	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (0-5) Lab ID: 5058731007 Collected: 02/16/12 14:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		151	1		02/25/12 09:24	107-02-8	
Acrylonitrile	ND ug/kg		151	1		02/25/12 09:24	107-13-1	
Benzene	ND ug/kg		7.5	1		02/25/12 09:24	71-43-2	
Bromobenzene	ND ug/kg		7.5	1		02/25/12 09:24	108-86-1	
Bromochloromethane	ND ug/kg		7.5	1		02/25/12 09:24	74-97-5	
Bromodichloromethane	ND ug/kg		7.5	1		02/25/12 09:24	75-27-4	
Bromoform	ND ug/kg		7.5	1		02/25/12 09:24	75-25-2	
Bromomethane	ND ug/kg		7.5	1		02/25/12 09:24	74-83-9	
2-Butanone (MEK)	ND ug/kg		37.6	1		02/25/12 09:24	78-93-3	
n-Butylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	104-51-8	
sec-Butylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	135-98-8	
tert-Butylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	98-06-6	
Carbon disulfide	ND ug/kg		15.1	1		02/25/12 09:24	75-15-0	
Carbon tetrachloride	ND ug/kg		7.5	1		02/25/12 09:24	56-23-5	
Chlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	108-90-7	
Chloroethane	ND ug/kg		7.5	1		02/25/12 09:24	75-00-3	
Chloroform	ND ug/kg		7.5	1		02/25/12 09:24	67-66-3	
Chloromethane	ND ug/kg		7.5	1		02/25/12 09:24	74-87-3	
2-Chlorotoluene	ND ug/kg		7.5	1		02/25/12 09:24	95-49-8	
4-Chlorotoluene	ND ug/kg		7.5	1		02/25/12 09:24	106-43-4	
Dibromochloromethane	ND ug/kg		7.5	1		02/25/12 09:24	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		7.5	1		02/25/12 09:24	106-93-4	
Dibromomethane	ND ug/kg		7.5	1		02/25/12 09:24	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		151	1		02/25/12 09:24	110-57-6	
Dichlorodifluoromethane	ND ug/kg		7.5	1		02/25/12 09:24	75-71-8	
1,1-Dichloroethane	ND ug/kg		7.5	1		02/25/12 09:24	75-34-3	
1,2-Dichloroethane	ND ug/kg		7.5	1		02/25/12 09:24	107-06-2	
1,1-Dichloroethene	ND ug/kg		7.5	1		02/25/12 09:24	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		7.5	1		02/25/12 09:24	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		7.5	1		02/25/12 09:24	156-60-5	
1,2-Dichloropropane	ND ug/kg		7.5	1		02/25/12 09:24	78-87-5	
1,3-Dichloropropane	ND ug/kg		7.5	1		02/25/12 09:24	142-28-9	
2,2-Dichloropropane	ND ug/kg		7.5	1		02/25/12 09:24	594-20-7	
1,1-Dichloropropene	ND ug/kg		7.5	1		02/25/12 09:24	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		7.5	1		02/25/12 09:24	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		7.5	1		02/25/12 09:24	10061-02-6	
Ethylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	100-41-4	
Ethyl methacrylate	ND ug/kg		151	1		02/25/12 09:24	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		7.5	1		02/25/12 09:24	87-68-3	
n-Hexane	ND ug/kg		7.5	1		02/25/12 09:24	110-54-3	
2-Hexanone	ND ug/kg		151	1		02/25/12 09:24	591-78-6	
Iodomethane	ND ug/kg		151	1		02/25/12 09:24	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		7.5	1		02/25/12 09:24	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (0-5) Lab ID: 5058731007 Collected: 02/16/12 14:10 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		7.5	1		02/25/12 09:24	99-87-6	
Methylene Chloride	ND ug/kg		30.1	1		02/25/12 09:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		37.6	1		02/25/12 09:24	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		7.5	1		02/25/12 09:24	1634-04-4	
n-Propylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	103-65-1	
Styrene	ND ug/kg		7.5	1		02/25/12 09:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		7.5	1		02/25/12 09:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		7.5	1		02/25/12 09:24	79-34-5	
Tetrachloroethene	ND ug/kg		7.5	1		02/25/12 09:24	127-18-4	
Toluene	ND ug/kg		7.5	1		02/25/12 09:24	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		7.5	1		02/25/12 09:24	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		7.5	1		02/25/12 09:24	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		7.5	1		02/25/12 09:24	79-00-5	
Trichloroethene	ND ug/kg		7.5	1		02/25/12 09:24	79-01-6	
Trichlorofluoromethane	ND ug/kg		7.5	1		02/25/12 09:24	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		7.5	1		02/25/12 09:24	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		7.5	1		02/25/12 09:24	108-67-8	
Vinyl acetate	ND ug/kg		151	1		02/25/12 09:24	108-05-4	
Vinyl chloride	ND ug/kg		7.5	1		02/25/12 09:24	75-01-4	
Xylene (Total)	ND ug/kg		15.1	1		02/25/12 09:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	86 %.		71-125	1		02/25/12 09:24	1868-53-7	
Toluene-d8 (S)	105 %.		76-124	1		02/25/12 09:24	2037-26-5	
4-Bromofluorobenzene (S)	94 %.		67-134	1		02/25/12 09:24	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	23.8 %		0.10	1		02/22/12 11:20		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (8-10) Lab ID: **5058731008** Collected: 02/16/12 14:15 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.5	1	02/21/12 12:08	02/22/12 19:28		
Surrogates								
n-Pentacosane (S)	61 %.		30-126	1	02/21/12 12:08	02/22/12 19:28	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.94	1		02/21/12 06:38		
Surrogates								
4-Bromofluorobenzene (S)	97 %.		30-163	1		02/21/12 06:38	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.5 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7440-38-2	
Barium	88.7 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7440-39-3	
Cadmium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7440-43-9	
Chromium	16.8 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7440-47-3	
Lead	13.3 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7439-92-1	
Selenium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7782-49-2	
Silver	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:46	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.26	1	02/28/12 10:27	02/29/12 10:54	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	83-32-9	
Acenaphthylene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	208-96-8	
Anthracene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	207-08-9	
Chrysene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	53-70-3	
Fluoranthene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	206-44-0	
Fluorene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	193-39-5	
2-Methylnaphthalene	7.4 ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	91-57-6	
Naphthalene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	91-20-3	
Phenanthrene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	85-01-8	
Pyrene	ND ug/kg		6.3	1	02/22/12 12:40	02/22/12 23:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55 %.		46-109	1	02/22/12 12:40	02/22/12 23:21	321-60-8	
p-Terphenyl-d14 (S)	66 %.		43-107	1	02/22/12 12:40	02/22/12 23:21	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		94.0	1		02/25/12 09:57	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (8-10) Lab ID: 5058731008 Collected: 02/16/12 14:15 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		94.0	1		02/25/12 09:57	107-02-8	
Acrylonitrile	ND ug/kg		94.0	1		02/25/12 09:57	107-13-1	
Benzene	ND ug/kg		4.7	1		02/25/12 09:57	71-43-2	
Bromobenzene	ND ug/kg		4.7	1		02/25/12 09:57	108-86-1	
Bromochloromethane	ND ug/kg		4.7	1		02/25/12 09:57	74-97-5	
Bromodichloromethane	ND ug/kg		4.7	1		02/25/12 09:57	75-27-4	
Bromoform	ND ug/kg		4.7	1		02/25/12 09:57	75-25-2	
Bromomethane	ND ug/kg		4.7	1		02/25/12 09:57	74-83-9	
2-Butanone (MEK)	ND ug/kg		23.5	1		02/25/12 09:57	78-93-3	
n-Butylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	104-51-8	
sec-Butylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	135-98-8	
tert-Butylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	98-06-6	
Carbon disulfide	ND ug/kg		9.4	1		02/25/12 09:57	75-15-0	
Carbon tetrachloride	ND ug/kg		4.7	1		02/25/12 09:57	56-23-5	
Chlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	108-90-7	
Chloroethane	ND ug/kg		4.7	1		02/25/12 09:57	75-00-3	
Chloroform	ND ug/kg		4.7	1		02/25/12 09:57	67-66-3	
Chloromethane	ND ug/kg		4.7	1		02/25/12 09:57	74-87-3	
2-Chlorotoluene	ND ug/kg		4.7	1		02/25/12 09:57	95-49-8	
4-Chlorotoluene	ND ug/kg		4.7	1		02/25/12 09:57	106-43-4	
Dibromochloromethane	ND ug/kg		4.7	1		02/25/12 09:57	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.7	1		02/25/12 09:57	106-93-4	
Dibromomethane	ND ug/kg		4.7	1		02/25/12 09:57	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		94.0	1		02/25/12 09:57	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.7	1		02/25/12 09:57	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.7	1		02/25/12 09:57	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.7	1		02/25/12 09:57	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.7	1		02/25/12 09:57	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.7	1		02/25/12 09:57	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.7	1		02/25/12 09:57	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.7	1		02/25/12 09:57	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.7	1		02/25/12 09:57	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.7	1		02/25/12 09:57	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.7	1		02/25/12 09:57	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.7	1		02/25/12 09:57	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.7	1		02/25/12 09:57	10061-02-6	
Ethylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	100-41-4	
Ethyl methacrylate	ND ug/kg		94.0	1		02/25/12 09:57	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.7	1		02/25/12 09:57	87-68-3	
n-Hexane	ND ug/kg		4.7	1		02/25/12 09:57	110-54-3	
2-Hexanone	ND ug/kg		94.0	1		02/25/12 09:57	591-78-6	
Iodomethane	ND ug/kg		94.0	1		02/25/12 09:57	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.7	1		02/25/12 09:57	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-4 (8-10) Lab ID: 5058731008 Collected: 02/16/12 14:15 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		4.7	1		02/25/12 09:57	99-87-6	
Methylene Chloride	ND ug/kg		18.8	1		02/25/12 09:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		23.5	1		02/25/12 09:57	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.7	1		02/25/12 09:57	1634-04-4	
n-Propylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	103-65-1	
Styrene	ND ug/kg		4.7	1		02/25/12 09:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.7	1		02/25/12 09:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.7	1		02/25/12 09:57	79-34-5	
Tetrachloroethene	ND ug/kg		4.7	1		02/25/12 09:57	127-18-4	
Toluene	ND ug/kg		4.7	1		02/25/12 09:57	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.7	1		02/25/12 09:57	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.7	1		02/25/12 09:57	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.7	1		02/25/12 09:57	79-00-5	
Trichloroethene	ND ug/kg		4.7	1		02/25/12 09:57	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.7	1		02/25/12 09:57	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.7	1		02/25/12 09:57	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.7	1		02/25/12 09:57	108-67-8	
Vinyl acetate	ND ug/kg		94.0	1		02/25/12 09:57	108-05-4	
Vinyl chloride	ND ug/kg		4.7	1		02/25/12 09:57	75-01-4	
Xylene (Total)	ND ug/kg		9.4	1		02/25/12 09:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	86 %.		71-125	1		02/25/12 09:57	1868-53-7	
Toluene-d8 (S)	99 %.		76-124	1		02/25/12 09:57	2037-26-5	
4-Bromofluorobenzene (S)	98 %.		67-134	1		02/25/12 09:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.2 %		0.10	1		02/22/12 11:21		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (0-5) Lab ID: **5058731009** Collected: 02/16/12 14:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	2060 mg/kg		63.2	5	02/21/12 12:08	02/23/12 19:08		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/21/12 12:08	02/23/12 19:08	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		2.2	1		02/21/12 07:23		
Surrogates								
4-Bromofluorobenzene (S)	60 %.		30-163	1		02/21/12 07:23	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	14.4 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7440-38-2	
Barium	35.9 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7440-39-3	
Cadmium	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7440-43-9	
Chromium	7.2 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7440-47-3	
Lead	32.2 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7439-92-1	
Selenium	5.3 mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7782-49-2	
Silver	ND mg/kg		2.4	1	02/21/12 09:33	02/22/12 08:55	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	02/28/12 10:27	02/29/12 10:56	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	200 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	83-32-9	
Acenaphthylene	ND ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	208-96-8	
Anthracene	389 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	120-12-7	
Benzo(a)anthracene	431 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	56-55-3	
Benzo(a)pyrene	189 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	50-32-8	
Benzo(b)fluoranthene	216 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	205-99-2	
Benzo(g,h,i)perylene	167 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	191-24-2	
Benzo(k)fluoranthene	157 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	207-08-9	
Chrysene	450 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	53-70-3	
Fluoranthene	943 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	206-44-0	
Fluorene	271 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	193-39-5	
2-Methylnaphthalene	1500 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	91-57-6	
Naphthalene	787 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	91-20-3	3d
Phenanthrene	2770 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	85-01-8	
Pyrene	954 ug/kg		63.2	10	02/22/12 12:40	02/23/12 11:33	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51 %.		46-109	10	02/22/12 12:40	02/23/12 11:33	321-60-8	
p-Terphenyl-d14 (S)	56 %.		43-107	10	02/22/12 12:40	02/23/12 11:33	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		193	1		02/25/12 10:29	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (0-5) Lab ID: 5058731009 Collected: 02/16/12 14:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		193	1		02/25/12 10:29	107-02-8	
Acrylonitrile	ND ug/kg		193	1		02/25/12 10:29	107-13-1	
Benzene	ND ug/kg		9.6	1		02/25/12 10:29	71-43-2	
Bromobenzene	ND ug/kg		9.6	1		02/25/12 10:29	108-86-1	
Bromochloromethane	ND ug/kg		9.6	1		02/25/12 10:29	74-97-5	
Bromodichloromethane	ND ug/kg		9.6	1		02/25/12 10:29	75-27-4	
Bromoform	ND ug/kg		9.6	1		02/25/12 10:29	75-25-2	
Bromomethane	ND ug/kg		9.6	1		02/25/12 10:29	74-83-9	
2-Butanone (MEK)	ND ug/kg		48.2	1		02/25/12 10:29	78-93-3	
n-Butylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	104-51-8	
sec-Butylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	135-98-8	
tert-Butylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	98-06-6	
Carbon disulfide	ND ug/kg		19.3	1		02/25/12 10:29	75-15-0	
Carbon tetrachloride	ND ug/kg		9.6	1		02/25/12 10:29	56-23-5	
Chlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	108-90-7	
Chloroethane	ND ug/kg		9.6	1		02/25/12 10:29	75-00-3	
Chloroform	ND ug/kg		9.6	1		02/25/12 10:29	67-66-3	
Chloromethane	ND ug/kg		9.6	1		02/25/12 10:29	74-87-3	
2-Chlorotoluene	ND ug/kg		9.6	1		02/25/12 10:29	95-49-8	
4-Chlorotoluene	ND ug/kg		9.6	1		02/25/12 10:29	106-43-4	
Dibromochloromethane	ND ug/kg		9.6	1		02/25/12 10:29	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		9.6	1		02/25/12 10:29	106-93-4	
Dibromomethane	ND ug/kg		9.6	1		02/25/12 10:29	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		193	1		02/25/12 10:29	110-57-6	
Dichlorodifluoromethane	ND ug/kg		9.6	1		02/25/12 10:29	75-71-8	
1,1-Dichloroethane	ND ug/kg		9.6	1		02/25/12 10:29	75-34-3	
1,2-Dichloroethane	ND ug/kg		9.6	1		02/25/12 10:29	107-06-2	
1,1-Dichloroethene	ND ug/kg		9.6	1		02/25/12 10:29	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		9.6	1		02/25/12 10:29	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		9.6	1		02/25/12 10:29	156-60-5	
1,2-Dichloropropane	ND ug/kg		9.6	1		02/25/12 10:29	78-87-5	
1,3-Dichloropropane	ND ug/kg		9.6	1		02/25/12 10:29	142-28-9	
2,2-Dichloropropane	ND ug/kg		9.6	1		02/25/12 10:29	594-20-7	
1,1-Dichloropropene	ND ug/kg		9.6	1		02/25/12 10:29	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		9.6	1		02/25/12 10:29	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		9.6	1		02/25/12 10:29	10061-02-6	
Ethylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	100-41-4	
Ethyl methacrylate	ND ug/kg		193	1		02/25/12 10:29	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		9.6	1		02/25/12 10:29	87-68-3	
n-Hexane	ND ug/kg		9.6	1		02/25/12 10:29	110-54-3	
2-Hexanone	ND ug/kg		193	1		02/25/12 10:29	591-78-6	
Iodomethane	ND ug/kg		193	1		02/25/12 10:29	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		9.6	1		02/25/12 10:29	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (0-5) **Lab ID: 5058731009** Collected: 02/16/12 14:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		9.6	1		02/25/12 10:29	99-87-6	
Methylene Chloride	ND ug/kg		38.6	1		02/25/12 10:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		48.2	1		02/25/12 10:29	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		9.6	1		02/25/12 10:29	1634-04-4	
n-Propylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	103-65-1	
Styrene	ND ug/kg		9.6	1		02/25/12 10:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		9.6	1		02/25/12 10:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		9.6	1		02/25/12 10:29	79-34-5	
Tetrachloroethene	ND ug/kg		9.6	1		02/25/12 10:29	127-18-4	
Toluene	ND ug/kg		9.6	1		02/25/12 10:29	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		9.6	1		02/25/12 10:29	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		9.6	1		02/25/12 10:29	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		9.6	1		02/25/12 10:29	79-00-5	
Trichloroethene	ND ug/kg		9.6	1		02/25/12 10:29	79-01-6	
Trichlorofluoromethane	ND ug/kg		9.6	1		02/25/12 10:29	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		9.6	1		02/25/12 10:29	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		9.6	1		02/25/12 10:29	108-67-8	
Vinyl acetate	ND ug/kg		193	1		02/25/12 10:29	108-05-4	
Vinyl chloride	ND ug/kg		9.6	1		02/25/12 10:29	75-01-4	
Xylene (Total)	ND ug/kg		19.3	1		02/25/12 10:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	84 %.		71-125	1		02/25/12 10:29	1868-53-7	
Toluene-d8 (S)	107 %.		76-124	1		02/25/12 10:29	2037-26-5	
4-Bromofluorobenzene (S)	91 %.		67-134	1		02/25/12 10:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.9 %		0.10	1		02/22/12 11:21		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (6-8) Lab ID: **5058731010** Collected: 02/16/12 14:45 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	109 mg/kg		11.9	1	02/21/12 12:08	02/22/12 17:52		
Surrogates								
n-Pentacosane (S)	123 %.		30-126	1	02/21/12 12:08	02/22/12 17:52	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.92	1		02/21/12 07:46		
Surrogates								
4-Bromofluorobenzene (S)	89 %.		30-163	1		02/21/12 07:46	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.6 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7440-38-2	
Barium	80.9 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7440-43-9	
Chromium	11.8 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7440-47-3	
Lead	10.5 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7439-92-1	
Selenium	2.7 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7782-49-2	
Silver	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:57	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.25	1	02/28/12 10:27	02/29/12 10:58	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	46.0 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	83-32-9	
Acenaphthylene	ND ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	208-96-8	
Anthracene	98.0 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	120-12-7	
Benzo(a)anthracene	126 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	56-55-3	
Benzo(a)pyrene	89.5 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	50-32-8	
Benzo(b)fluoranthene	86.5 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	205-99-2	
Benzo(g,h,i)perylene	118 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	191-24-2	
Benzo(k)fluoranthene	67.7 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	207-08-9	
Chrysene	141 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	218-01-9	
Dibenz(a,h)anthracene	22.6 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	53-70-3	
Fluoranthene	259 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	206-44-0	
Fluorene	64.6 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	86-73-7	
Indeno(1,2,3-cd)pyrene	38.7 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	193-39-5	
2-Methylnaphthalene	140 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	91-57-6	
Naphthalene	76.8 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	91-20-3	
Phenanthrene	600 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	85-01-8	
Pyrene	271 ug/kg		6.0	1	02/22/12 12:40	02/23/12 16:02	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	70 %.		46-109	1	02/22/12 12:40	02/23/12 16:02	321-60-8	
p-Terphenyl-d14 (S)	78 %.		43-107	1	02/22/12 12:40	02/23/12 16:02	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		129	1		02/28/12 02:09	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (6-8) Lab ID: 5058731010 Collected: 02/16/12 14:45 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		129	1		02/28/12 02:09	107-02-8	
Acrylonitrile	ND ug/kg		129	1		02/28/12 02:09	107-13-1	
Benzene	ND ug/kg		6.4	1		02/28/12 02:09	71-43-2	
Bromobenzene	ND ug/kg		6.4	1		02/28/12 02:09	108-86-1	
Bromochloromethane	ND ug/kg		6.4	1		02/28/12 02:09	74-97-5	
Bromodichloromethane	ND ug/kg		6.4	1		02/28/12 02:09	75-27-4	
Bromoform	ND ug/kg		6.4	1		02/28/12 02:09	75-25-2	
Bromomethane	ND ug/kg		6.4	1		02/28/12 02:09	74-83-9	
2-Butanone (MEK)	ND ug/kg		32.2	1		02/28/12 02:09	78-93-3	
n-Butylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	104-51-8	
sec-Butylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	135-98-8	
tert-Butylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	98-06-6	
Carbon disulfide	ND ug/kg		12.9	1		02/28/12 02:09	75-15-0	
Carbon tetrachloride	ND ug/kg		6.4	1		02/28/12 02:09	56-23-5	
Chlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	108-90-7	
Chloroethane	ND ug/kg		6.4	1		02/28/12 02:09	75-00-3	
Chloroform	ND ug/kg		6.4	1		02/28/12 02:09	67-66-3	
Chloromethane	ND ug/kg		6.4	1		02/28/12 02:09	74-87-3	
2-Chlorotoluene	ND ug/kg		6.4	1		02/28/12 02:09	95-49-8	
4-Chlorotoluene	ND ug/kg		6.4	1		02/28/12 02:09	106-43-4	
Dibromochloromethane	ND ug/kg		6.4	1		02/28/12 02:09	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		6.4	1		02/28/12 02:09	106-93-4	
Dibromomethane	ND ug/kg		6.4	1		02/28/12 02:09	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		129	1		02/28/12 02:09	110-57-6	
Dichlorodifluoromethane	ND ug/kg		6.4	1		02/28/12 02:09	75-71-8	
1,1-Dichloroethane	ND ug/kg		6.4	1		02/28/12 02:09	75-34-3	
1,2-Dichloroethane	ND ug/kg		6.4	1		02/28/12 02:09	107-06-2	
1,1-Dichloroethene	ND ug/kg		6.4	1		02/28/12 02:09	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		6.4	1		02/28/12 02:09	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		6.4	1		02/28/12 02:09	156-60-5	
1,2-Dichloropropane	ND ug/kg		6.4	1		02/28/12 02:09	78-87-5	
1,3-Dichloropropane	ND ug/kg		6.4	1		02/28/12 02:09	142-28-9	
2,2-Dichloropropane	ND ug/kg		6.4	1		02/28/12 02:09	594-20-7	
1,1-Dichloropropene	ND ug/kg		6.4	1		02/28/12 02:09	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		6.4	1		02/28/12 02:09	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		6.4	1		02/28/12 02:09	10061-02-6	
Ethylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	100-41-4	
Ethyl methacrylate	ND ug/kg		129	1		02/28/12 02:09	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		6.4	1		02/28/12 02:09	87-68-3	
n-Hexane	ND ug/kg		6.4	1		02/28/12 02:09	110-54-3	
2-Hexanone	ND ug/kg		129	1		02/28/12 02:09	591-78-6	
Iodomethane	ND ug/kg		129	1		02/28/12 02:09	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		6.4	1		02/28/12 02:09	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-5 (6-8) Lab ID: 5058731010 Collected: 02/16/12 14:45 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		6.4	1		02/28/12 02:09	99-87-6	
Methylene Chloride	ND ug/kg		25.8	1		02/28/12 02:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		32.2	1		02/28/12 02:09	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		6.4	1		02/28/12 02:09	1634-04-4	
n-Propylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	103-65-1	
Styrene	ND ug/kg		6.4	1		02/28/12 02:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		6.4	1		02/28/12 02:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		6.4	1		02/28/12 02:09	79-34-5	
Tetrachloroethene	ND ug/kg		6.4	1		02/28/12 02:09	127-18-4	
Toluene	ND ug/kg		6.4	1		02/28/12 02:09	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		6.4	1		02/28/12 02:09	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		6.4	1		02/28/12 02:09	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		6.4	1		02/28/12 02:09	79-00-5	
Trichloroethene	ND ug/kg		6.4	1		02/28/12 02:09	79-01-6	
Trichlorofluoromethane	ND ug/kg		6.4	1		02/28/12 02:09	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		6.4	1		02/28/12 02:09	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		6.4	1		02/28/12 02:09	108-67-8	
Vinyl acetate	ND ug/kg		129	1		02/28/12 02:09	108-05-4	
Vinyl chloride	ND ug/kg		6.4	1		02/28/12 02:09	75-01-4	
Xylene (Total)	ND ug/kg		12.9	1		02/28/12 02:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92 %.		71-125	1		02/28/12 02:09	1868-53-7	
Toluene-d8 (S)	99 %.		76-124	1		02/28/12 02:09	2037-26-5	
4-Bromofluorobenzene (S)	110 %.		67-134	1		02/28/12 02:09	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.0 %		0.10	1		02/22/12 11:21		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (0-5) Lab ID: 5058731011 Collected: 02/16/12 15:30 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	256 mg/kg		11.2	1	02/21/12 12:08	02/22/12 17:59		
Surrogates								
n-Pentacosane (S)	202 %.		30-126	1	02/21/12 12:08	02/22/12 17:59	629-99-2	4d
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.0	1		02/21/12 08:09		
Surrogates								
4-Bromofluorobenzene (S)	37 %.		30-163	1		02/21/12 08:09	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	19.4 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7440-38-2	
Barium	94.9 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7440-43-9	
Chromium	8.8 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7440-47-3	
Lead	108 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7439-92-1	
Selenium	2.5 mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7782-49-2	
Silver	ND mg/kg		2.2	1	02/21/12 09:33	02/22/12 08:59	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.34 mg/kg		0.23	1	02/28/12 10:27	02/29/12 11:00	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	83-32-9	
Acenaphthylene	68.7 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	208-96-8	
Anthracene	407 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	120-12-7	
Benzo(a)anthracene	1330 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	56-55-3	
Benzo(a)pyrene	1050 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	50-32-8	
Benzo(b)fluoranthene	784 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	205-99-2	
Benzo(g,h,i)perylene	687 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	191-24-2	
Benzo(k)fluoranthene	531 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	207-08-9	
Chrysene	1220 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	218-01-9	
Dibenz(a,h)anthracene	231 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	53-70-3	
Fluoranthene	1320 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	206-44-0	
Fluorene	60.3 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	86-73-7	
Indeno(1,2,3-cd)pyrene	305 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	193-39-5	
2-Methylnaphthalene	171 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	91-57-6	
Naphthalene	97.3 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	91-20-3	3d
Phenanthrene	1130 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	85-01-8	
Pyrene	1750 ug/kg		55.8	10	02/22/12 12:40	02/23/12 13:39	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56 %.		46-109	10	02/22/12 12:40	02/23/12 13:39	321-60-8	
p-Terphenyl-d14 (S)	64 %.		43-107	10	02/22/12 12:40	02/23/12 13:39	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		136	1		02/28/12 02:41	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (0-5) Lab ID: 5058731011 Collected: 02/16/12 15:30 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		136	1		02/28/12 02:41	107-02-8	
Acrylonitrile	ND ug/kg		136	1		02/28/12 02:41	107-13-1	
Benzene	ND ug/kg		6.8	1		02/28/12 02:41	71-43-2	
Bromobenzene	ND ug/kg		6.8	1		02/28/12 02:41	108-86-1	
Bromochloromethane	ND ug/kg		6.8	1		02/28/12 02:41	74-97-5	
Bromodichloromethane	ND ug/kg		6.8	1		02/28/12 02:41	75-27-4	
Bromoform	ND ug/kg		6.8	1		02/28/12 02:41	75-25-2	
Bromomethane	ND ug/kg		6.8	1		02/28/12 02:41	74-83-9	
2-Butanone (MEK)	ND ug/kg		33.9	1		02/28/12 02:41	78-93-3	
n-Butylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	104-51-8	
sec-Butylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	135-98-8	
tert-Butylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	98-06-6	
Carbon disulfide	ND ug/kg		13.6	1		02/28/12 02:41	75-15-0	
Carbon tetrachloride	ND ug/kg		6.8	1		02/28/12 02:41	56-23-5	
Chlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	108-90-7	
Chloroethane	ND ug/kg		6.8	1		02/28/12 02:41	75-00-3	
Chloroform	ND ug/kg		6.8	1		02/28/12 02:41	67-66-3	
Chloromethane	ND ug/kg		6.8	1		02/28/12 02:41	74-87-3	
2-Chlorotoluene	ND ug/kg		6.8	1		02/28/12 02:41	95-49-8	
4-Chlorotoluene	ND ug/kg		6.8	1		02/28/12 02:41	106-43-4	
Dibromochloromethane	ND ug/kg		6.8	1		02/28/12 02:41	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		6.8	1		02/28/12 02:41	106-93-4	
Dibromomethane	ND ug/kg		6.8	1		02/28/12 02:41	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		136	1		02/28/12 02:41	110-57-6	
Dichlorodifluoromethane	ND ug/kg		6.8	1		02/28/12 02:41	75-71-8	
1,1-Dichloroethane	ND ug/kg		6.8	1		02/28/12 02:41	75-34-3	
1,2-Dichloroethane	ND ug/kg		6.8	1		02/28/12 02:41	107-06-2	
1,1-Dichloroethene	ND ug/kg		6.8	1		02/28/12 02:41	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		6.8	1		02/28/12 02:41	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		6.8	1		02/28/12 02:41	156-60-5	
1,2-Dichloropropane	ND ug/kg		6.8	1		02/28/12 02:41	78-87-5	
1,3-Dichloropropane	ND ug/kg		6.8	1		02/28/12 02:41	142-28-9	
2,2-Dichloropropane	ND ug/kg		6.8	1		02/28/12 02:41	594-20-7	
1,1-Dichloropropene	ND ug/kg		6.8	1		02/28/12 02:41	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		6.8	1		02/28/12 02:41	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		6.8	1		02/28/12 02:41	10061-02-6	
Ethylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	100-41-4	
Ethyl methacrylate	ND ug/kg		136	1		02/28/12 02:41	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		6.8	1		02/28/12 02:41	87-68-3	
n-Hexane	ND ug/kg		6.8	1		02/28/12 02:41	110-54-3	
2-Hexanone	ND ug/kg		136	1		02/28/12 02:41	591-78-6	
Iodomethane	ND ug/kg		136	1		02/28/12 02:41	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		6.8	1		02/28/12 02:41	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (0-5) Lab ID: 5058731011 Collected: 02/16/12 15:30 Received: 02/17/12 15:40 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		6.8	1		02/28/12 02:41	99-87-6	
Methylene Chloride	ND ug/kg		27.2	1		02/28/12 02:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		33.9	1		02/28/12 02:41	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		6.8	1		02/28/12 02:41	1634-04-4	
n-Propylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	103-65-1	
Styrene	ND ug/kg		6.8	1		02/28/12 02:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		6.8	1		02/28/12 02:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		6.8	1		02/28/12 02:41	79-34-5	
Tetrachloroethene	ND ug/kg		6.8	1		02/28/12 02:41	127-18-4	
Toluene	ND ug/kg		6.8	1		02/28/12 02:41	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		6.8	1		02/28/12 02:41	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		6.8	1		02/28/12 02:41	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		6.8	1		02/28/12 02:41	79-00-5	
Trichloroethene	ND ug/kg		6.8	1		02/28/12 02:41	79-01-6	
Trichlorofluoromethane	ND ug/kg		6.8	1		02/28/12 02:41	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		6.8	1		02/28/12 02:41	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		6.8	1		02/28/12 02:41	108-67-8	
Vinyl acetate	ND ug/kg		136	1		02/28/12 02:41	108-05-4	
Vinyl chloride	ND ug/kg		6.8	1		02/28/12 02:41	75-01-4	
Xylene (Total)	ND ug/kg		13.6	1		02/28/12 02:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96 %.		71-125	1		02/28/12 02:41	1868-53-7	
Toluene-d8 (S)	100 %.		76-124	1		02/28/12 02:41	2037-26-5	
4-Bromofluorobenzene (S)	101 %.		67-134	1		02/28/12 02:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	10.4 %		0.10	1		02/22/12 11:21		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (2-4) Lab ID: **5058731012** Collected: 02/16/12 15:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	471 mg/kg		14.8	1	02/21/12 12:08	02/22/12 18:06		
Surrogates								
n-Pentacosane (S)	208 %.		30-126	1	02/21/12 12:08	02/22/12 18:06	629-99-2	4d
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.8	1		02/21/12 08:32		
Surrogates								
4-Bromofluorobenzene (S)	84 %.		30-163	1		02/21/12 08:32	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	14.5 mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7440-38-2	
Barium	82.7 mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7440-39-3	
Cadmium	ND mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7440-43-9	
Chromium	24.9 mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7440-47-3	
Lead	106 mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7439-92-1	
Selenium	ND mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7782-49-2	
Silver	ND mg/kg		2.7	1	02/21/12 09:33	02/22/12 09:02	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.30	1	02/28/12 10:27	02/29/12 11:02	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	83-32-9	
Acenaphthylene	ND ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	208-96-8	
Anthracene	153 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	120-12-7	
Benzo(a)anthracene	388 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	56-55-3	
Benzo(a)pyrene	413 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	50-32-8	
Benzo(b)fluoranthene	454 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	205-99-2	
Benzo(g,h,i)perylene	339 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	191-24-2	
Benzo(k)fluoranthene	360 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	207-08-9	
Chrysene	574 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	218-01-9	
Dibenz(a,h)anthracene	111 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	53-70-3	
Fluoranthene	1080 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	206-44-0	
Fluorene	ND ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	86-73-7	
Indeno(1,2,3-cd)pyrene	241 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	193-39-5	
2-Methylnaphthalene	376 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	91-57-6	
Naphthalene	206 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	91-20-3	3d
Phenanthrene	1100 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	85-01-8	
Pyrene	913 ug/kg		73.9	10	02/22/12 12:40	02/23/12 13:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48 %.		46-109	10	02/22/12 12:40	02/23/12 13:21	321-60-8	
p-Terphenyl-d14 (S)	54 %.		43-107	10	02/22/12 12:40	02/23/12 13:21	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	182 ug/kg		170	1		02/28/12 03:13	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (2-4) Lab ID: 5058731012 Collected: 02/16/12 15:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		170	1		02/28/12 03:13	107-02-8	
Acrylonitrile	ND ug/kg		170	1		02/28/12 03:13	107-13-1	
Benzene	ND ug/kg		8.5	1		02/28/12 03:13	71-43-2	
Bromobenzene	ND ug/kg		8.5	1		02/28/12 03:13	108-86-1	
Bromochloromethane	ND ug/kg		8.5	1		02/28/12 03:13	74-97-5	
Bromodichloromethane	ND ug/kg		8.5	1		02/28/12 03:13	75-27-4	
Bromoform	ND ug/kg		8.5	1		02/28/12 03:13	75-25-2	
Bromomethane	ND ug/kg		8.5	1		02/28/12 03:13	74-83-9	
2-Butanone (MEK)	ND ug/kg		42.4	1		02/28/12 03:13	78-93-3	
n-Butylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	104-51-8	
sec-Butylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	135-98-8	
tert-Butylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	98-06-6	
Carbon disulfide	ND ug/kg		17.0	1		02/28/12 03:13	75-15-0	
Carbon tetrachloride	ND ug/kg		8.5	1		02/28/12 03:13	56-23-5	
Chlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	108-90-7	
Chloroethane	ND ug/kg		8.5	1		02/28/12 03:13	75-00-3	
Chloroform	ND ug/kg		8.5	1		02/28/12 03:13	67-66-3	
Chloromethane	ND ug/kg		8.5	1		02/28/12 03:13	74-87-3	
2-Chlorotoluene	ND ug/kg		8.5	1		02/28/12 03:13	95-49-8	
4-Chlorotoluene	ND ug/kg		8.5	1		02/28/12 03:13	106-43-4	
Dibromochloromethane	ND ug/kg		8.5	1		02/28/12 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		8.5	1		02/28/12 03:13	106-93-4	
Dibromomethane	ND ug/kg		8.5	1		02/28/12 03:13	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		170	1		02/28/12 03:13	110-57-6	
Dichlorodifluoromethane	ND ug/kg		8.5	1		02/28/12 03:13	75-71-8	
1,1-Dichloroethane	ND ug/kg		8.5	1		02/28/12 03:13	75-34-3	
1,2-Dichloroethane	ND ug/kg		8.5	1		02/28/12 03:13	107-06-2	
1,1-Dichloroethene	ND ug/kg		8.5	1		02/28/12 03:13	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		8.5	1		02/28/12 03:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		8.5	1		02/28/12 03:13	156-60-5	
1,2-Dichloropropane	ND ug/kg		8.5	1		02/28/12 03:13	78-87-5	
1,3-Dichloropropane	ND ug/kg		8.5	1		02/28/12 03:13	142-28-9	
2,2-Dichloropropane	ND ug/kg		8.5	1		02/28/12 03:13	594-20-7	
1,1-Dichloropropene	ND ug/kg		8.5	1		02/28/12 03:13	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		8.5	1		02/28/12 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		8.5	1		02/28/12 03:13	10061-02-6	
Ethylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	100-41-4	
Ethyl methacrylate	ND ug/kg		170	1		02/28/12 03:13	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		8.5	1		02/28/12 03:13	87-68-3	
n-Hexane	ND ug/kg		8.5	1		02/28/12 03:13	110-54-3	
2-Hexanone	ND ug/kg		170	1		02/28/12 03:13	591-78-6	
Iodomethane	ND ug/kg		170	1		02/28/12 03:13	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		8.5	1		02/28/12 03:13	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: GP-6 (2-4) Lab ID: 5058731012 Collected: 02/16/12 15:40 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		8.5	1		02/28/12 03:13	99-87-6	
Methylene Chloride	ND ug/kg		33.9	1		02/28/12 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		42.4	1		02/28/12 03:13	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		8.5	1		02/28/12 03:13	1634-04-4	
n-Propylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	103-65-1	
Styrene	ND ug/kg		8.5	1		02/28/12 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		8.5	1		02/28/12 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		8.5	1		02/28/12 03:13	79-34-5	
Tetrachloroethene	ND ug/kg		8.5	1		02/28/12 03:13	127-18-4	
Toluene	ND ug/kg		8.5	1		02/28/12 03:13	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		8.5	1		02/28/12 03:13	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		8.5	1		02/28/12 03:13	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		8.5	1		02/28/12 03:13	79-00-5	
Trichloroethene	ND ug/kg		8.5	1		02/28/12 03:13	79-01-6	
Trichlorofluoromethane	ND ug/kg		8.5	1		02/28/12 03:13	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		8.5	1		02/28/12 03:13	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		8.5	1		02/28/12 03:13	108-67-8	
Vinyl acetate	ND ug/kg		170	1		02/28/12 03:13	108-05-4	
Vinyl chloride	ND ug/kg		8.5	1		02/28/12 03:13	75-01-4	
Xylene (Total)	ND ug/kg		17.0	1		02/28/12 03:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93 %.		71-125	1		02/28/12 03:13	1868-53-7	
Toluene-d8 (S)	109 %.		76-124	1		02/28/12 03:13	2037-26-5	
4-Bromofluorobenzene (S)	85 %.		67-134	1		02/28/12 03:13	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	32.4 %		0.10	1		02/22/12 11:22		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: Duplicate Lab ID: **5058731013** Collected: 02/16/12 08:00 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	1040 mg/kg		63.6	5	02/21/12 12:08	02/23/12 18:48		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/21/12 12:08	02/23/12 18:48	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		2.1	1		02/21/12 08:55		
Surrogates								
4-Bromofluorobenzene (S)	75 %.		30-163	1		02/21/12 08:55	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	20.9 mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7440-38-2	
Barium	26.8 mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7440-43-9	
Chromium	6.4 mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7440-47-3	
Lead	41.4 mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7439-92-1	
Selenium	8.4 mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7782-49-2	
Silver	ND mg/kg		2.3	1	02/21/12 09:33	02/22/12 09:04	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.24	1	02/28/12 10:27	02/29/12 11:04	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	81.9 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	83-32-9	
Acenaphthylene	ND ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	208-96-8	
Anthracene	234 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	120-12-7	
Benzo(a)anthracene	300 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	56-55-3	
Benzo(a)pyrene	112 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	50-32-8	
Benzo(b)fluoranthene	183 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	205-99-2	
Benzo(g,h,i)perylene	104 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	191-24-2	
Benzo(k)fluoranthene	98.2 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	207-08-9	
Chrysene	352 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	53-70-3	
Fluoranthene	744 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	206-44-0	
Fluorene	110 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	193-39-5	
2-Methylnaphthalene	918 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	91-57-6	
Naphthalene	353 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	91-20-3	3d
Phenanthrene	2740 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	85-01-8	
Pyrene	688 ug/kg		63.6	10	02/22/12 12:40	02/23/12 11:51	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54 %.		46-109	10	02/22/12 12:40	02/23/12 11:51	321-60-8	
p-Terphenyl-d14 (S)	62 %.		43-107	10	02/22/12 12:40	02/23/12 11:51	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		213	1		02/28/12 03:45	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: Duplicate Lab ID: **5058731013** Collected: 02/16/12 08:00 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		213	1		02/28/12 03:45	107-02-8	
Acrylonitrile	ND ug/kg		213	1		02/28/12 03:45	107-13-1	
Benzene	ND ug/kg		10.6	1		02/28/12 03:45	71-43-2	
Bromobenzene	ND ug/kg		10.6	1		02/28/12 03:45	108-86-1	
Bromochloromethane	ND ug/kg		10.6	1		02/28/12 03:45	74-97-5	
Bromodichloromethane	ND ug/kg		10.6	1		02/28/12 03:45	75-27-4	
Bromoform	ND ug/kg		10.6	1		02/28/12 03:45	75-25-2	
Bromomethane	ND ug/kg		10.6	1		02/28/12 03:45	74-83-9	
2-Butanone (MEK)	ND ug/kg		53.2	1		02/28/12 03:45	78-93-3	
n-Butylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	104-51-8	
sec-Butylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	135-98-8	
tert-Butylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	98-06-6	
Carbon disulfide	ND ug/kg		21.3	1		02/28/12 03:45	75-15-0	
Carbon tetrachloride	ND ug/kg		10.6	1		02/28/12 03:45	56-23-5	
Chlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	108-90-7	
Chloroethane	ND ug/kg		10.6	1		02/28/12 03:45	75-00-3	
Chloroform	ND ug/kg		10.6	1		02/28/12 03:45	67-66-3	
Chloromethane	ND ug/kg		10.6	1		02/28/12 03:45	74-87-3	
2-Chlorotoluene	ND ug/kg		10.6	1		02/28/12 03:45	95-49-8	
4-Chlorotoluene	ND ug/kg		10.6	1		02/28/12 03:45	106-43-4	
Dibromochloromethane	ND ug/kg		10.6	1		02/28/12 03:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		10.6	1		02/28/12 03:45	106-93-4	
Dibromomethane	ND ug/kg		10.6	1		02/28/12 03:45	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		213	1		02/28/12 03:45	110-57-6	
Dichlorodifluoromethane	ND ug/kg		10.6	1		02/28/12 03:45	75-71-8	
1,1-Dichloroethane	ND ug/kg		10.6	1		02/28/12 03:45	75-34-3	
1,2-Dichloroethane	ND ug/kg		10.6	1		02/28/12 03:45	107-06-2	
1,1-Dichloroethene	ND ug/kg		10.6	1		02/28/12 03:45	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		10.6	1		02/28/12 03:45	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		10.6	1		02/28/12 03:45	156-60-5	
1,2-Dichloropropane	ND ug/kg		10.6	1		02/28/12 03:45	78-87-5	
1,3-Dichloropropane	ND ug/kg		10.6	1		02/28/12 03:45	142-28-9	
2,2-Dichloropropane	ND ug/kg		10.6	1		02/28/12 03:45	594-20-7	
1,1-Dichloropropene	ND ug/kg		10.6	1		02/28/12 03:45	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		10.6	1		02/28/12 03:45	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		10.6	1		02/28/12 03:45	10061-02-6	
Ethylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	100-41-4	
Ethyl methacrylate	ND ug/kg		213	1		02/28/12 03:45	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		10.6	1		02/28/12 03:45	87-68-3	
n-Hexane	ND ug/kg		10.6	1		02/28/12 03:45	110-54-3	
2-Hexanone	ND ug/kg		213	1		02/28/12 03:45	591-78-6	
Iodomethane	ND ug/kg		213	1		02/28/12 03:45	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		10.6	1		02/28/12 03:45	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: Duplicate Lab ID: **5058731013** Collected: 02/16/12 08:00 Received: 02/17/12 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		10.6	1		02/28/12 03:45	99-87-6	
Methylene Chloride	ND ug/kg		42.5	1		02/28/12 03:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		53.2	1		02/28/12 03:45	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		10.6	1		02/28/12 03:45	1634-04-4	
n-Propylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	103-65-1	
Styrene	ND ug/kg		10.6	1		02/28/12 03:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		10.6	1		02/28/12 03:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		10.6	1		02/28/12 03:45	79-34-5	
Tetrachloroethene	ND ug/kg		10.6	1		02/28/12 03:45	127-18-4	
Toluene	ND ug/kg		10.6	1		02/28/12 03:45	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		10.6	1		02/28/12 03:45	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		10.6	1		02/28/12 03:45	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		10.6	1		02/28/12 03:45	79-00-5	
Trichloroethene	ND ug/kg		10.6	1		02/28/12 03:45	79-01-6	
Trichlorofluoromethane	ND ug/kg		10.6	1		02/28/12 03:45	75-69-4	
1,2,3-Trichloroproppane	ND ug/kg		10.6	1		02/28/12 03:45	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		10.6	1		02/28/12 03:45	108-67-8	
Vinyl acetate	ND ug/kg		213	1		02/28/12 03:45	108-05-4	
Vinyl chloride	ND ug/kg		10.6	1		02/28/12 03:45	75-01-4	
Xylene (Total)	ND ug/kg		21.3	1		02/28/12 03:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96 %.		71-125	1		02/28/12 03:45	1868-53-7	
Toluene-d8 (S)	109 %.		76-124	1		02/28/12 03:45	2037-26-5	
4-Bromofluorobenzene (S)	88 %.		67-134	1		02/28/12 03:45	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.4 %		0.10	1		02/22/12 11:22		

ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: Trip Blank	Lab ID: 5058731014	Collected: 02/16/12 08:00	Received: 02/17/12 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/28/12 04:17	67-64-1	
Acrolein	ND ug/L		50.0	1		02/28/12 04:17	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/28/12 04:17	107-13-1	
Benzene	ND ug/L		5.0	1		02/28/12 04:17	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/28/12 04:17	108-86-1	
Bromoform	ND ug/L		5.0	1		02/28/12 04:17	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/28/12 04:17	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/28/12 04:17	75-25-2	
Bromoform	ND ug/L		5.0	1		02/28/12 04:17	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		02/28/12 04:17	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/28/12 04:17	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/28/12 04:17	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/28/12 04:17	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/28/12 04:17	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/28/12 04:17	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/28/12 04:17	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/28/12 04:17	75-00-3	
Chloroform	ND ug/L		5.0	1		02/28/12 04:17	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/28/12 04:17	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/28/12 04:17	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/28/12 04:17	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		02/28/12 04:17	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/28/12 04:17	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/28/12 04:17	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/28/12 04:17	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/28/12 04:17	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/28/12 04:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/28/12 04:17	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/28/12 04:17	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/28/12 04:17	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/28/12 04:17	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/28/12 04:17	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/28/12 04:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/28/12 04:17	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/28/12 04:17	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/28/12 04:17	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/28/12 04:17	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/28/12 04:17	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/28/12 04:17	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/28/12 04:17	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/28/12 04:17	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/28/12 04:17	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/28/12 04:17	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/28/12 04:17	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/28/12 04:17	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/28/12 04:17	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/28/12 04:17	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Sample: Trip Blank	Lab ID: 5058731014	Collected: 02/16/12 08:00	Received: 02/17/12 15:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		02/28/12 04:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		02/28/12 04:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/28/12 04:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/28/12 04:17	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		02/28/12 04:17	103-65-1	
Styrene	ND	ug/L	5.0	1		02/28/12 04:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		02/28/12 04:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/28/12 04:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/28/12 04:17	127-18-4	
Toluene	ND	ug/L	5.0	1		02/28/12 04:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		02/28/12 04:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/28/12 04:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/28/12 04:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/28/12 04:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/28/12 04:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/28/12 04:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		02/28/12 04:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		02/28/12 04:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		02/28/12 04:17	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		02/28/12 04:17	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		02/28/12 04:17	75-01-4	
Xylene (Total)		ND ug/L	10.0	1		02/28/12 04:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90 %.		83-123	1		02/28/12 04:17	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		72-125	1		02/28/12 04:17	460-00-4	
Toluene-d8 (S)	100 %.		81-114	1		02/28/12 04:17	2037-26-5	

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch: GCV/14666 Analysis Method: EPA 8015 Mod Pur

QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035

Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013

METHOD BLANK: 690829 Matrix: Solid

Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	1.0	02/20/12 20:59	
4-Bromofluorobenzene (S)	%.	97	30-163	02/20/12 20:59	

LABORATORY CONTROL SAMPLE: 690830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	9.9	99	84-132	
4-Bromofluorobenzene (S)	%.			106	30-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690831 690832

Parameter	Units	5058736005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	210	662	662	909	982	106	117	10-133	8	20	
4-Bromofluorobenzene (S)	%.						113	111	30-163		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690833 690834

Parameter	Units	5058777001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	ND	7.9	9.5	6.0	8.7	76	92	10-133	36	20	R1
4-Bromofluorobenzene (S)	%.						94	100	30-163		20	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690835 690836

Parameter	Units	5058731004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	ND	9.9	10.2	9.2	9.2	93	91	10-133	.5	20	
4-Bromofluorobenzene (S)	%.						95	107	30-163		20	

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	MERP/3700	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013		

METHOD BLANK:	694428	Matrix:	Solid
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Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013
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Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Mercury	mg/kg	ND	0.20	02/29/12 10:25	

LABORATORY CONTROL SAMPLE:	694429
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Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
Mercury	mg/kg	.5	0.52	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	694430	694431
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Parameter	Units	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		5058731004	Spike										
Mercury	mg/kg	ND	.59	.63	0.67	0.67	108	104	75-125	.2	20		

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	MPRP/8679	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013			

METHOD BLANK:	690853	Matrix:	Solid
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Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Arsenic	mg/kg	ND	2.0	02/22/12 08:03	
Barium	mg/kg	ND	2.0	02/22/12 08:03	
Cadmium	mg/kg	ND	2.0	02/22/12 08:03	
Chromium	mg/kg	ND	2.0	02/22/12 08:03	
Lead	mg/kg	ND	2.0	02/22/12 08:03	
Selenium	mg/kg	ND	2.0	02/22/12 08:03	
Silver	mg/kg	ND	2.0	02/22/12 08:03	

LABORATORY CONTROL SAMPLE:	690854	Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.3	99	80-120			
Barium	mg/kg	50	50.6	101	80-120			
Cadmium	mg/kg	50	50.2	100	80-120			
Chromium	mg/kg	50	49.6	99	80-120			
Lead	mg/kg	50	49.1	98	80-120			
Selenium	mg/kg	50	49.4	99	80-120			
Silver	mg/kg	25	25.1	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	690855	MS 5058777001	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Arsenic	mg/kg	15.1	57.6	58.6	67.0	72.1	90	97	75-125	7	20
Barium	mg/kg	143	57.6	58.6	177	259	59	198	75-125	38	20 1d,M0
Cadmium	mg/kg	ND	57.6	58.6	56.7	58.5	96	98	75-125	3	20
Chromium	mg/kg	14.8	57.6	58.6	61.7	62.9	81	82	75-125	2	20
Lead	mg/kg	146	57.6	58.6	184	168	66	39	75-125	9	20 M3
Selenium	mg/kg	ND	57.6	58.6	53.9	55.9	91	93	75-125	4	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	690857	MS 5058731004	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Arsenic	mg/kg	5.7	58.6	55.2	60.7	57.8	94	94	75-125	5	20
Barium	mg/kg	52.3	58.6	55.2	121	125	118	132	75-125	3	20 M0
Cadmium	mg/kg	ND	58.6	55.2	57.8	54.3	98	98	75-125	6	20

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			690857 690858														
Parameter	Units	Result	MS		MSD		MS		MSD		MS		MSD		% Rec	Max	
			5058731004	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	% Rec Limits	RPD RPD	Qual					
Chromium	mg/kg	11.7	58.6	55.2	69.9	67.1	99	100	75-125	4	20						
Lead	mg/kg	8.6	58.6	55.2	62.0	59.2	91	92	75-125	5	20						
Selenium	mg/kg	ND	58.6	55.2	55.5	51.3	94	93	75-125	8	20						
Silver	mg/kg	ND	29.3	27.6	28.5	26.7	97	97	75-125	6	20						

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	MSV/39921	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5058731014		

METHOD BLANK: 694531 Matrix: Water

Associated Lab Samples: 5058731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,1,1-Trichloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,1-Dichloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,1-Dichloroethene	ug/L	ND	5.0	02/28/12 01:04	
1,1-Dichloropropene	ug/L	ND	5.0	02/28/12 01:04	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
1,2,3-Trichloropropane	ug/L	ND	5.0	02/28/12 01:04	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	02/28/12 01:04	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/28/12 01:04	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
1,2-Dichloroethane	ug/L	ND	5.0	02/28/12 01:04	
1,2-Dichloropropane	ug/L	ND	5.0	02/28/12 01:04	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	02/28/12 01:04	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
1,3-Dichloropropane	ug/L	ND	5.0	02/28/12 01:04	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
2,2-Dichloropropane	ug/L	ND	5.0	02/28/12 01:04	
2-Butanone (MEK)	ug/L	ND	25.0	02/28/12 01:04	
2-Chlorotoluene	ug/L	ND	5.0	02/28/12 01:04	
2-Hexanone	ug/L	ND	25.0	02/28/12 01:04	
4-Chlorotoluene	ug/L	ND	5.0	02/28/12 01:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/28/12 01:04	
Acetone	ug/L	ND	100	02/28/12 01:04	
Acrolein	ug/L	ND	50.0	02/28/12 01:04	
Acrylonitrile	ug/L	ND	100	02/28/12 01:04	
Benzene	ug/L	ND	5.0	02/28/12 01:04	
Bromobenzene	ug/L	ND	5.0	02/28/12 01:04	
Bromochloromethane	ug/L	ND	5.0	02/28/12 01:04	
Bromodichloromethane	ug/L	ND	5.0	02/28/12 01:04	
Bromoform	ug/L	ND	5.0	02/28/12 01:04	
Bromomethane	ug/L	ND	5.0	02/28/12 01:04	
Carbon disulfide	ug/L	ND	10.0	02/28/12 01:04	
Carbon tetrachloride	ug/L	ND	5.0	02/28/12 01:04	
Chlorobenzene	ug/L	ND	5.0	02/28/12 01:04	
Chloroethane	ug/L	ND	5.0	02/28/12 01:04	
Chloroform	ug/L	ND	5.0	02/28/12 01:04	
Chloromethane	ug/L	ND	5.0	02/28/12 01:04	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/28/12 01:04	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/28/12 01:04	
Dibromochloromethane	ug/L	ND	5.0	02/28/12 01:04	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

METHOD BLANK: 694531

Matrix: Water

Associated Lab Samples: 5058731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	02/28/12 01:04	
Dichlorodifluoromethane	ug/L	ND	5.0	02/28/12 01:04	
Ethyl methacrylate	ug/L	ND	100	02/28/12 01:04	
Ethylbenzene	ug/L	ND	5.0	02/28/12 01:04	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/28/12 01:04	
Iodomethane	ug/L	ND	10.0	02/28/12 01:04	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/28/12 01:04	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/28/12 01:04	
Methylene Chloride	ug/L	ND	5.0	02/28/12 01:04	
n-Butylbenzene	ug/L	ND	5.0	02/28/12 01:04	
n-Hexane	ug/L	ND	5.0	02/28/12 01:04	N2
n-Propylbenzene	ug/L	ND	5.0	02/28/12 01:04	
p-Isopropyltoluene	ug/L	ND	5.0	02/28/12 01:04	
sec-Butylbenzene	ug/L	ND	5.0	02/28/12 01:04	
Styrene	ug/L	ND	5.0	02/28/12 01:04	
tert-Butylbenzene	ug/L	ND	5.0	02/28/12 01:04	
Tetrachloroethene	ug/L	ND	5.0	02/28/12 01:04	
Toluene	ug/L	ND	5.0	02/28/12 01:04	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/28/12 01:04	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/28/12 01:04	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/28/12 01:04	
Trichloroethene	ug/L	ND	5.0	02/28/12 01:04	
Trichlorofluoromethane	ug/L	ND	5.0	02/28/12 01:04	
Vinyl acetate	ug/L	ND	50.0	02/28/12 01:04	
Vinyl chloride	ug/L	ND	2.0	02/28/12 01:04	
Xylene (Total)	ug/L	ND	10.0	02/28/12 01:04	
4-Bromofluorobenzene (S)	%.	96	72-125	02/28/12 01:04	
Dibromofluoromethane (S)	%.	100	83-123	02/28/12 01:04	
Toluene-d8 (S)	%.	99	81-114	02/28/12 01:04	

LABORATORY CONTROL SAMPLE: 694532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	43.9	88	69-122	
1,1,1-Trichloroethane	ug/L	50	44.9	90	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	49.3	99	68-134	
1,1,2-Trichloroethane	ug/L	50	44.1	88	77-129	
1,1-Dichloroethane	ug/L	50	45.9	92	70-127	
1,1-Dichloroethene	ug/L	50	44.9	90	75-145	
1,1-Dichloropropene	ug/L	50	39.9	80	75-126	
1,2,3-Trichlorobenzene	ug/L	50	43.0	86	63-130	
1,2,3-Trichloropropane	ug/L	50	75.4	151	45-121 L3	
1,2,4-Trichlorobenzene	ug/L	50	42.2	84	64-122	
1,2,4-Trimethylbenzene	ug/L	50	43.5	87	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	44.2	88	77-123	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	41.9	84	74-123	
1,2-Dichloroethane	ug/L	50	49.2	98	71-127	
1,2-Dichloropropane	ug/L	50	43.7	87	75-126	
1,3,5-Trimethylbenzene	ug/L	50	43.5	87	69-129	
1,3-Dichlorobenzene	ug/L	50	41.1	82	76-123	
1,3-Dichloropropane	ug/L	50	46.3	93	77-126	
1,4-Dichlorobenzene	ug/L	50	40.8	82	77-121	
2,2-Dichloropropane	ug/L	50	43.3	87	45-138	
2-Butanone (MEK)	ug/L	250	173	69	42-177	
2-Chlorotoluene	ug/L	50	41.6	83	74-129	
2-Hexanone	ug/L	250	183	73	57-162	
4-Chlorotoluene	ug/L	50	43.2	86	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	226	90	64-135	
Acetone	ug/L	250	155	62	10-200	
Acrolein	ug/L	1000	1820	182	10-200	
Acrylonitrile	ug/L	1000	837	84	59-144	
Benzene	ug/L	50	43.2	86	76-123	
Bromobenzene	ug/L	50	42.4	85	67-130	
Bromochloromethane	ug/L	50	43.2	86	58-153	
Bromodichloromethane	ug/L	50	42.0	84	71-124	
Bromoform	ug/L	50	43.5	87	64-116	
Bromomethane	ug/L	50	47.0	94	23-197	
Carbon disulfide	ug/L	100	92.3	92	55-146	
Carbon tetrachloride	ug/L	50	43.6	87	65-125	
Chlorobenzene	ug/L	50	41.9	84	78-120	
Chloroethane	ug/L	50	48.7	97	56-163	
Chloroform	ug/L	50	45.3	91	73-122	
Chloromethane	ug/L	50	50.9	102	46-146	
cis-1,2-Dichloroethene	ug/L	50	40.5	81	79-129	
cis-1,3-Dichloropropene	ug/L	50	41.3	83	66-123	
Dibromochloromethane	ug/L	50	41.7	83	70-123	
Dibromomethane	ug/L	50	48.1	96	73-123	
Dichlorodifluoromethane	ug/L	50	59.5	119	19-200	
Ethylbenzene	ug/L	50	43.4	87	75-120	
Hexachloro-1,3-butadiene	ug/L	50	45.5	91	64-131	
Iodomethane	ug/L	100	96.8	97	16-181	
Isopropylbenzene (Cumene)	ug/L	50	44.5	89	73-123	
Methyl-tert-butyl ether	ug/L	100	88.8	89	66-128	
Methylene Chloride	ug/L	50	42.7	85	61-138	
n-Butylbenzene	ug/L	50	43.3	87	69-130	
n-Hexane	ug/L	50	36.8	74	67-142 N2	
n-Propylbenzene	ug/L	50	43.4	87	71-132	
p-Isopropyltoluene	ug/L	50	44.2	88	71-126	
sec-Butylbenzene	ug/L	50	43.9	88	69-130	
Styrene	ug/L	50	46.7	93	75-125	
tert-Butylbenzene	ug/L	50	41.0	82	49-114	
Tetrachloroethene	ug/L	50	41.7	83	57-125	
Toluene	ug/L	50	40.2	80	72-124	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	50	39.7	79	71-145	
trans-1,3-Dichloropropene	ug/L	50	41.3	83	58-118	
Trichloroethene	ug/L	50	48.7	97	77-122	
Trichlorofluoromethane	ug/L	50	48.1	96	56-159	
Vinyl chloride	ug/L	50	49.3	99	61-146	
Xylene (Total)	ug/L	150	129	86	72-126	
4-Bromofluorobenzene (S)	%.			101	72-125	
Dibromofluoromethane (S)	%.			104	83-123	
Toluene-d8 (S)	%.			98	81-114	

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	MSV/39888	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731006, 5058731007, 5058731008, 5058731009		

METHOD BLANK: 694066	Matrix: Solid
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Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731006, 5058731007, 5058731008, 5058731009
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Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,1,1-Trichloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,1,2-Trichloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,1-Dichloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,1-Dichloroethene	ug/kg	ND	5.0	02/25/12 00:48	
1,1-Dichloropropene	ug/kg	ND	5.0	02/25/12 00:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,2,3-Trichloropropane	ug/kg	ND	5.0	02/25/12 00:48	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	02/25/12 00:48	
1,2-Dichlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,2-Dichloroethane	ug/kg	ND	5.0	02/25/12 00:48	
1,2-Dichloropropane	ug/kg	ND	5.0	02/25/12 00:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,3-Dichlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
1,3-Dichloropropane	ug/kg	ND	5.0	02/25/12 00:48	
1,4-Dichlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
2,2-Dichloropropane	ug/kg	ND	5.0	02/25/12 00:48	
2-Butanone (MEK)	ug/kg	ND	25.0	02/25/12 00:48	
2-Chlorotoluene	ug/kg	ND	5.0	02/25/12 00:48	
2-Hexanone	ug/kg	ND	100	02/25/12 00:48	
4-Chlorotoluene	ug/kg	ND	5.0	02/25/12 00:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	02/25/12 00:48	
Acetone	ug/kg	ND	100	02/25/12 00:48	
Acrolein	ug/kg	ND	100	02/25/12 00:48	
Acrylonitrile	ug/kg	ND	100	02/25/12 00:48	
Benzene	ug/kg	ND	5.0	02/25/12 00:48	
Bromobenzene	ug/kg	ND	5.0	02/25/12 00:48	
Bromochloromethane	ug/kg	ND	5.0	02/25/12 00:48	
Bromodichloromethane	ug/kg	ND	5.0	02/25/12 00:48	
Bromoform	ug/kg	ND	5.0	02/25/12 00:48	
Bromomethane	ug/kg	ND	5.0	02/25/12 00:48	
Carbon disulfide	ug/kg	ND	10.0	02/25/12 00:48	
Carbon tetrachloride	ug/kg	ND	5.0	02/25/12 00:48	
Chlorobenzene	ug/kg	ND	5.0	02/25/12 00:48	
Chloroethane	ug/kg	ND	5.0	02/25/12 00:48	
Chloroform	ug/kg	ND	5.0	02/25/12 00:48	
Chloromethane	ug/kg	ND	5.0	02/25/12 00:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	02/25/12 00:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	02/25/12 00:48	
Dibromochloromethane	ug/kg	ND	5.0	02/25/12 00:48	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

METHOD BLANK: 694066

Matrix: Solid

Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731006, 5058731007, 5058731008, 5058731009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	02/25/12 00:48	
Dichlorodifluoromethane	ug/kg	ND	5.0	02/25/12 00:48	
Ethyl methacrylate	ug/kg	ND	100	02/25/12 00:48	
Ethylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	02/25/12 00:48	
Iodomethane	ug/kg	ND	100	02/25/12 00:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	02/25/12 00:48	
Methyl-tert-butyl ether	ug/kg	ND	5.0	02/25/12 00:48	
Methylene Chloride	ug/kg	ND	20.0	02/25/12 00:48	
n-Butylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
n-Hexane	ug/kg	ND	5.0	02/25/12 00:48	
n-Propylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
p-Isopropyltoluene	ug/kg	ND	5.0	02/25/12 00:48	
sec-Butylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
Styrene	ug/kg	ND	5.0	02/25/12 00:48	
tert-Butylbenzene	ug/kg	ND	5.0	02/25/12 00:48	
Tetrachloroethene	ug/kg	ND	5.0	02/25/12 00:48	
Toluene	ug/kg	ND	5.0	02/25/12 00:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	02/25/12 00:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	02/25/12 00:48	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	02/25/12 00:48	
Trichloroethene	ug/kg	ND	5.0	02/25/12 00:48	
Trichlorofluoromethane	ug/kg	ND	5.0	02/25/12 00:48	
Vinyl acetate	ug/kg	ND	100	02/25/12 00:48	
Vinyl chloride	ug/kg	ND	5.0	02/25/12 00:48	
Xylene (Total)	ug/kg	ND	10.0	02/25/12 00:48	
4-Bromofluorobenzene (S)	%.	99	67-134	02/25/12 00:48	
Dibromofluoromethane (S)	%.	88	71-125	02/25/12 00:48	
Toluene-d8 (S)	%.	101	76-124	02/25/12 00:48	

LABORATORY CONTROL SAMPLE: 694067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	44.8	90	68-125	
1,1,1-Trichloroethane	ug/kg	50	47.0	94	63-124	
1,1,2,2-Tetrachloroethane	ug/kg	50	53.1	106	73-123	
1,1,2-Trichloroethane	ug/kg	50	49.4	99	70-124	
1,1-Dichloroethane	ug/kg	50	52.3	105	63-122	
1,1-Dichloroethene	ug/kg	50	52.1	104	71-129	
1,1-Dichloropropene	ug/kg	50	46.4	93	71-122	
1,2,3-Trichlorobenzene	ug/kg	50	55.8	112	68-123	
1,2,3-Trichloropropane	ug/kg	50	81.6	163	47-117 L3	
1,2,4-Trichlorobenzene	ug/kg	50	54.7	109	68-125	
1,2,4-Trimethylbenzene	ug/kg	50	53.1	106	69-120	
1,2-Dibromoethane (EDB)	ug/kg	50	49.9	100	67-121	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	53.3	107	71-121	
1,2-Dichloroethane	ug/kg	50	49.1	98	74-120	
1,2-Dichloropropane	ug/kg	50	46.0	92	71-117	
1,3,5-Trimethylbenzene	ug/kg	50	51.6	103	64-119	
1,3-Dichlorobenzene	ug/kg	50	51.7	103	70-122	
1,3-Dichloropropane	ug/kg	50	48.0	96	68-118	
1,4-Dichlorobenzene	ug/kg	50	52.4	105	71-118	
2,2-Dichloropropane	ug/kg	50	43.4	87	62-119	
2-Butanone (MEK)	ug/kg	250	240	96	38-154	
2-Chlorotoluene	ug/kg	50	50.7	101	71-120	
2-Hexanone	ug/kg	250	253	101	50-134	
4-Chlorotoluene	ug/kg	50	54.0	108	72-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	237	95	66-122	
Acetone	ug/kg	250	223	89	10-200	
Acrolein	ug/kg	1000	2480	248	11-200 L3	
Acrylonitrile	ug/kg	1000	951	95	66-120	
Benzene	ug/kg	50	46.6	93	73-115	
Bromobenzene	ug/kg	50	51.3	103	64-130	
Bromochloromethane	ug/kg	50	53.8	108	71-127	
Bromodichloromethane	ug/kg	50	40.3	81	60-121	
Bromoform	ug/kg	50	34.6	69	44-130	
Bromomethane	ug/kg	50	60.6	121	48-175	
Carbon disulfide	ug/kg	100	105	105	71-126	
Carbon tetrachloride	ug/kg	50	39.5	79	57-127	
Chlorobenzene	ug/kg	50	50.1	100	72-121	
Chloroethane	ug/kg	50	58.2	116	72-141	
Chloroform	ug/kg	50	48.2	96	74-114	
Chloromethane	ug/kg	50	45.7	91	51-126	
cis-1,2-Dichloroethene	ug/kg	50	49.7	99	72-115	
cis-1,3-Dichloropropene	ug/kg	50	41.5	83	64-115	
Dibromochloromethane	ug/kg	50	37.3	75	58-114	
Dibromomethane	ug/kg	50	48.6	97	73-120	
Dichlorodifluoromethane	ug/kg	50	71.1	142	32-167	
Ethyl methacrylate	ug/kg	200	204	102	65-117	
Ethylbenzene	ug/kg	50	48.5	97	73-120	
Hexachloro-1,3-butadiene	ug/kg	50	49.3	99	65-121	
Iodomethane	ug/kg	100	101	101	45-156	
Isopropylbenzene (Cumene)	ug/kg	50	50.0	100	74-123	
Methyl-tert-butyl ether	ug/kg	100	95.4	95	69-123	
Methylene Chloride	ug/kg	50	48.7	97	58-124	
n-Butylbenzene	ug/kg	50	53.6	107	71-118	
n-Hexane	ug/kg	50	42.7	85	50-106	
n-Propylbenzene	ug/kg	50	50.1	100	70-120	
p-Isopropyltoluene	ug/kg	50	52.6	105	71-123	
sec-Butylbenzene	ug/kg	50	52.1	104	66-122	
Styrene	ug/kg	50	52.4	105	75-118	
tert-Butylbenzene	ug/kg	50	45.8	92	54-124	
Tetrachloroethene	ug/kg	50	50.5	101	66-126	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	50	46.3	93	69-115	
trans-1,2-Dichloroethene	ug/kg	50	49.0	98	69-120	
trans-1,3-Dichloropropene	ug/kg	50	41.8	84	61-116	
trans-1,4-Dichloro-2-butene	ug/kg	200	191	95	59-130	
Trichloroethene	ug/kg	50	51.1	102	71-117	
Trichlorofluoromethane	ug/kg	50	49.4	99	67-138	
Vinyl acetate	ug/kg	200	159	80	35-134	
Vinyl chloride	ug/kg	50	55.7	111	64-127	
Xylene (Total)	ug/kg	150	146	97	69-117	
4-Bromofluorobenzene (S)	%.			98	65-117	
Dibromofluoromethane (S)	%.			94	82-130	
Toluene-d8 (S)	%.			100	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694068 694069

Parameter	Units	5058731004		MS Spike		MSD Spike		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD RPD	Max Qual
		Result	Conc.	Conc.	Result	Conc.	Result							
1,1,1,2-Tetrachloroethane	ug/kg	ND	42.6	47.6	27.0	32.6	63	69	10-111	19	20			
1,1,1-Trichloroethane	ug/kg	ND	42.6	47.6	32.0	38.6	75	81	36-128	19	20			
1,1,2,2-Tetrachloroethane	ug/kg	ND	42.6	47.6	30.6	34.1	72	72	10-130	11	20			
1,1,2-Trichloroethane	ug/kg	ND	42.6	47.6	31.1	35.5	73	75	10-126	13	20			
1,1-Dichloroethane	ug/kg	ND	42.6	47.6	35.3	42.2	83	89	39-126	18	20			
1,1-Dichloroethene	ug/kg	ND	42.6	47.6	37.1	44.0	87	93	42-147	17	20			
1,1-Dichloropropene	ug/kg	ND	42.6	47.6	32.1	39.0	76	82	29-129	19	20			
1,2,3-Trichlorobenzene	ug/kg	ND	42.6	47.6	24.4	29.8	57	63	10-91	20	20			
1,2,3-Trichloropropane	ug/kg	ND	42.6	47.6	41.4	47.0	97	99	10-99	13	20			
1,2,4-Trichlorobenzene	ug/kg	ND	42.6	47.6	24.3	30.2	57	63	10-88	22	20	R1		
1,2,4-Trimethylbenzene	ug/kg	ND	42.6	47.6	32.4	38.3	76	80	10-109	17	20			
1,2-Dibromoethane (EDB)	ug/kg	ND	42.6	47.6	30.4	35.1	71	74	10-119	15	20			
1,2-Dichlorobenzene	ug/kg	ND	42.6	47.6	29.6	34.7	70	73	10-104	16	20			
1,2-Dichloroethane	ug/kg	ND	42.6	47.6	31.5	36.6	74	77	19-126	15	20			
1,2-Dichloropropane	ug/kg	ND	42.6	47.6	30.3	36.0	71	76	24-123	17	20			
1,3,5-Trimethylbenzene	ug/kg	ND	42.6	47.6	32.8	39.0	77	82	10-118	17	20			
1,3-Dichlorobenzene	ug/kg	ND	42.6	47.6	29.1	34.7	68	73	10-108	18	20			
1,3-Dichloropropane	ug/kg	ND	42.6	47.6	30.2	34.7	71	73	12-121	14	20			
1,4-Dichlorobenzene	ug/kg	ND	42.6	47.6	28.7	34.0	67	71	10-104	17	20			
2,2-Dichloropropane	ug/kg	ND	42.6	47.6	28.3	33.9	67	71	32-124	18	20			
2-Butanone (MEK)	ug/kg	ND	213	239	150	169	70	71	10-183	12	20			
2-Chlorotoluene	ug/kg	ND	42.6	47.6	31.5	37.4	74	78	10-128	17	20			
2-Hexanone	ug/kg	ND	213	239	149	168	70	71	10-158	12	20			
4-Chlorotoluene	ug/kg	ND	42.6	47.6	31.8	37.9	75	80	10-119	17	20			
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	213	239	149	163	70	69	12-130	10	20			
Acetone	ug/kg	ND	213	239	145	155	68	65	10-200	7	20			
Acrolein	ug/kg	ND	851	952	1330	1510	156	158	10-200	12	20			
Acrylonitrile	ug/kg	ND	851	952	582	652	68	68	19-130	11	20			
Benzene	ug/kg	ND	42.6	47.6	31.5	37.5	74	79	23-138	17	20			
Bromobenzene	ug/kg	ND	42.6	47.6	31.3	37.2	73	78	10-111	17	20			

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Parameter	Units	5058731004		MS Spike		MSD Spike		MS		MSD		% Rec	Limits	RPD	Max RPD	Max Qual	
		Result	Conc.	Conc.	Result	MSD	Result	% Rec	MSD % Rec								
Bromochloromethane	ug/kg	ND	42.6	47.6	33.7	39.6	79	83	26-126	16	20						
Bromodichloromethane	ug/kg	ND	42.6	47.6	24.3	29.9	57	63	10-120	21	20	R1					
Bromoform	ug/kg	ND	42.6	47.6	17.7	20.8	42	44	10-106	16	20						
Bromomethane	ug/kg	ND	42.6	47.6	49.5	52.8	116	111	10-190	6	20						
Carbon disulfide	ug/kg	ND	85.1	95.2	72.8	87.1	85	92	31-128	18	20						
Carbon tetrachloride	ug/kg	ND	42.6	47.6	25.4	31.7	60	67	26-126	22	20	R1					
Chlorobenzene	ug/kg	ND	42.6	47.6	31.8	37.7	75	79	10-120	17	20						
Chloroethane	ug/kg	ND	42.6	47.6	40.3	48.2	95	101	18-186	18	20						
Chloroform	ug/kg	ND	42.6	47.6	32.4	38.2	76	80	29-126	17	20						
Chloromethane	ug/kg	ND	42.6	47.6	31.9	38.1	75	80	34-131	18	20						
cis-1,2-Dichloroethene	ug/kg	ND	42.6	47.6	32.3	38.5	76	81	28-132	17	20						
cis-1,3-Dichloropropene	ug/kg	ND	42.6	47.6	24.6	29.2	58	61	10-108	17	20						
Dibromochloromethane	ug/kg	ND	42.6	47.6	21.0	25.7	49	54	10-108	20	20						
Dibromomethane	ug/kg	ND	42.6	47.6	29.9	34.8	70	73	13-122	15	20						
Dichlorodifluoromethane	ug/kg	ND	42.6	47.6	52.7	61.8	124	130	10-197	16	20						
Ethyl methacrylate	ug/kg	ND	171	190	114	129	67	68	10-130	13	20						
Ethylbenzene	ug/kg	ND	42.6	47.6	32.2	38.8	75	81	10-135	18	20						
Hexachloro-1,3-butadiene	ug/kg	ND	42.6	47.6	26.3	32.7	62	69	10-105	22	20	R1					
Iodomethane	ug/kg	ND	85.1	95.2	ND	ND	48	74	10-163		20						
Isopropylbenzene (Cumene)	ug/kg	ND	42.6	47.6	33.3	39.9	78	84	10-121	18	20						
Methyl-tert-butyl ether	ug/kg	ND	85.1	95.2	62.0	71.6	73	75	20-140	14	20						
Methylene Chloride	ug/kg	ND	42.6	47.6	30.9	36.8	72	77	28-131	18	20						
n-Butylbenzene	ug/kg	ND	42.6	47.6	31.6	37.2	74	78	10-110	16	20						
n-Hexane	ug/kg	ND	42.6	47.6	29.8	36.0	70	76	21-150	19	20						
n-Propylbenzene	ug/kg	ND	42.6	47.6	32.1	38.0	75	80	10-123	17	20						
p-Isopropyltoluene	ug/kg	ND	42.6	47.6	32.3	38.4	76	81	10-117	18	20						
sec-Butylbenzene	ug/kg	ND	42.6	47.6	32.9	39.5	77	83	10-123	18	20						
Styrene	ug/kg	ND	42.6	47.6	32.6	39.1	77	82	10-119	18	20						
tert-Butylbenzene	ug/kg	ND	42.6	47.6	29.5	35.0	69	74	10-105	17	20						
Tetrachloroethene	ug/kg	ND	42.6	47.6	33.2	39.9	78	84	10-122	18	20						
Toluene	ug/kg	ND	42.6	47.6	30.7	36.8	72	77	10-131	18	20						
trans-1,2-Dichloroethene	ug/kg	ND	42.6	47.6	33.3	39.9	78	84	32-136	18	20						
trans-1,3-Dichloropropene	ug/kg	ND	42.6	47.6	23.1	27.7	54	58	10-101	18	20						
trans-1,4-Dichloro-2-butene	ug/kg	ND	171	190	99.5	113	58	59	10-104	13	20						
Trichloroethene	ug/kg	ND	42.6	47.6	34.2	41.5	80	87	15-133	19	20						
Trichlorofluoromethane	ug/kg	ND	42.6	47.6	36.1	42.7	85	90	37-152	17	20						
Vinyl acetate	ug/kg	ND	171	190	ND	ND	10	7	10-103		20	R1					
Vinyl chloride	ug/kg	ND	42.6	47.6	40.5	47.7	95	100	41-147	16	20						
Xylene (Total)	ug/kg	ND	127	143	95.7	117	75	82	10-131	20	20	RS					
4-Bromofluorobenzene (S)	%.						101	102	67-134		20						
Dibromofluoromethane (S)	%.							93	93	71-125		20					
Toluene-d8 (S)	%.							100	100	76-124		20					

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch: MSV/39919 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 5058731005, 5058731010, 5058731011, 5058731012, 5058731013

METHOD BLANK: 694525 Matrix: Solid

Associated Lab Samples: 5058731005, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,1,1-Trichloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,1,2-Trichloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,1-Dichloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,1-Dichloroethene	ug/kg	ND	5.0	02/28/12 01:04	
1,1-Dichloropropene	ug/kg	ND	5.0	02/28/12 01:04	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,2,3-Trichloropropane	ug/kg	ND	5.0	02/28/12 01:04	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	02/28/12 01:04	
1,2-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,2-Dichloroethane	ug/kg	ND	5.0	02/28/12 01:04	
1,2-Dichloropropane	ug/kg	ND	5.0	02/28/12 01:04	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,3-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
1,3-Dichloropropane	ug/kg	ND	5.0	02/28/12 01:04	
1,4-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
2,2-Dichloropropane	ug/kg	ND	5.0	02/28/12 01:04	
2-Butanone (MEK)	ug/kg	ND	25.0	02/28/12 01:04	
2-Chlorotoluene	ug/kg	ND	5.0	02/28/12 01:04	
2-Hexanone	ug/kg	ND	100	02/28/12 01:04	
4-Chlorotoluene	ug/kg	ND	5.0	02/28/12 01:04	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	02/28/12 01:04	
Acetone	ug/kg	ND	100	02/28/12 01:04	
Acrolein	ug/kg	ND	100	02/28/12 01:04	
Acrylonitrile	ug/kg	ND	100	02/28/12 01:04	
Benzene	ug/kg	ND	5.0	02/28/12 01:04	
Bromobenzene	ug/kg	ND	5.0	02/28/12 01:04	
Bromochloromethane	ug/kg	ND	5.0	02/28/12 01:04	
Bromodichloromethane	ug/kg	ND	5.0	02/28/12 01:04	
Bromoform	ug/kg	ND	5.0	02/28/12 01:04	
Bromomethane	ug/kg	ND	5.0	02/28/12 01:04	
Carbon disulfide	ug/kg	ND	10.0	02/28/12 01:04	
Carbon tetrachloride	ug/kg	ND	5.0	02/28/12 01:04	
Chlorobenzene	ug/kg	ND	5.0	02/28/12 01:04	
Chloroethane	ug/kg	ND	5.0	02/28/12 01:04	
Chloroform	ug/kg	ND	5.0	02/28/12 01:04	
Chloromethane	ug/kg	ND	5.0	02/28/12 01:04	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	02/28/12 01:04	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	02/28/12 01:04	
Dibromochloromethane	ug/kg	ND	5.0	02/28/12 01:04	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

METHOD BLANK: 694525

Matrix: Solid

Associated Lab Samples: 5058731005, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	02/28/12 01:04	
Dichlorodifluoromethane	ug/kg	ND	5.0	02/28/12 01:04	
Ethyl methacrylate	ug/kg	ND	100	02/28/12 01:04	
Ethylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	02/28/12 01:04	
Iodomethane	ug/kg	ND	100	02/28/12 01:04	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	02/28/12 01:04	
Methyl-tert-butyl ether	ug/kg	ND	5.0	02/28/12 01:04	
Methylene Chloride	ug/kg	ND	20.0	02/28/12 01:04	
n-Butylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
n-Hexane	ug/kg	ND	5.0	02/28/12 01:04	
n-Propylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
p-Isopropyltoluene	ug/kg	ND	5.0	02/28/12 01:04	
sec-Butylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
Styrene	ug/kg	ND	5.0	02/28/12 01:04	
tert-Butylbenzene	ug/kg	ND	5.0	02/28/12 01:04	
Tetrachloroethene	ug/kg	ND	5.0	02/28/12 01:04	
Toluene	ug/kg	ND	5.0	02/28/12 01:04	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	02/28/12 01:04	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	02/28/12 01:04	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	02/28/12 01:04	
Trichloroethene	ug/kg	ND	5.0	02/28/12 01:04	
Trichlorofluoromethane	ug/kg	ND	5.0	02/28/12 01:04	
Vinyl acetate	ug/kg	ND	100	02/28/12 01:04	
Vinyl chloride	ug/kg	ND	5.0	02/28/12 01:04	
Xylene (Total)	ug/kg	ND	10.0	02/28/12 01:04	
4-Bromofluorobenzene (S)	%.	96	67-134	02/28/12 01:04	
Dibromofluoromethane (S)	%.	100	71-125	02/28/12 01:04	
Toluene-d8 (S)	%.	99	76-124	02/28/12 01:04	

LABORATORY CONTROL SAMPLE: 694526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	43.9	88	68-125	
1,1,1-Trichloroethane	ug/kg	50	44.9	90	63-124	
1,1,2,2-Tetrachloroethane	ug/kg	50	49.3	99	73-123	
1,1,2-Trichloroethane	ug/kg	50	44.1	88	70-124	
1,1-Dichloroethane	ug/kg	50	45.9	92	63-122	
1,1-Dichloroethene	ug/kg	50	44.9	90	71-129	
1,1-Dichloropropene	ug/kg	50	39.9	80	71-122	
1,2,3-Trichlorobenzene	ug/kg	50	43.0	86	68-123	
1,2,3-Trichloropropane	ug/kg	50	75.4	151	47-117 L3	
1,2,4-Trichlorobenzene	ug/kg	50	42.2	84	68-125	
1,2,4-Trimethylbenzene	ug/kg	50	43.5	87	69-120	
1,2-Dibromoethane (EDB)	ug/kg	50	44.2	88	67-121	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	41.9	84	71-121	
1,2-Dichloroethane	ug/kg	50	49.2	98	74-120	
1,2-Dichloropropane	ug/kg	50	43.7	87	71-117	
1,3,5-Trimethylbenzene	ug/kg	50	43.5	87	64-119	
1,3-Dichlorobenzene	ug/kg	50	41.1	82	70-122	
1,3-Dichloropropane	ug/kg	50	46.3	93	68-118	
1,4-Dichlorobenzene	ug/kg	50	40.8	82	71-118	
2,2-Dichloropropane	ug/kg	50	43.3	87	62-119	
2-Butanone (MEK)	ug/kg	250	173	69	38-154	
2-Chlorotoluene	ug/kg	50	41.6	83	71-120	
2-Hexanone	ug/kg	250	183	73	50-134	
4-Chlorotoluene	ug/kg	50	43.2	86	72-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	226	90	66-122	
Acetone	ug/kg	250	155	62	10-200	
Acrolein	ug/kg	1000	1820	182	11-200	
Acrylonitrile	ug/kg	1000	837	84	66-120	
Benzene	ug/kg	50	43.2	86	73-115	
Bromobenzene	ug/kg	50	42.4	85	64-130	
Bromochloromethane	ug/kg	50	43.2	86	71-127	
Bromodichloromethane	ug/kg	50	42.0	84	60-121	
Bromoform	ug/kg	50	43.5	87	44-130	
Bromomethane	ug/kg	50	47.0	94	48-175	
Carbon disulfide	ug/kg	100	92.3	92	71-126	
Carbon tetrachloride	ug/kg	50	43.6	87	57-127	
Chlorobenzene	ug/kg	50	41.9	84	72-121	
Chloroethane	ug/kg	50	48.7	97	72-141	
Chloroform	ug/kg	50	45.3	91	74-114	
Chloromethane	ug/kg	50	50.9	102	51-126	
cis-1,2-Dichloroethene	ug/kg	50	40.5	81	72-115	
cis-1,3-Dichloropropene	ug/kg	50	41.3	83	64-115	
Dibromochloromethane	ug/kg	50	41.7	83	58-114	
Dibromomethane	ug/kg	50	48.1	96	73-120	
Dichlorodifluoromethane	ug/kg	50	59.5	119	32-167	
Ethyl methacrylate	ug/kg	200	178	89	65-117	
Ethylbenzene	ug/kg	50	43.4	87	73-120	
Hexachloro-1,3-butadiene	ug/kg	50	45.5	91	65-121	
Iodomethane	ug/kg	100	96.8J	97	45-156	
Isopropylbenzene (Cumene)	ug/kg	50	44.5	89	74-123	
Methyl-tert-butyl ether	ug/kg	100	88.8	89	69-123	
Methylene Chloride	ug/kg	50	42.7	85	58-124	
n-Butylbenzene	ug/kg	50	43.3	87	71-118	
n-Hexane	ug/kg	50	36.8	74	50-106	
n-Propylbenzene	ug/kg	50	43.4	87	70-120	
p-Isopropyltoluene	ug/kg	50	44.2	88	71-123	
sec-Butylbenzene	ug/kg	50	43.9	88	66-122	
Styrene	ug/kg	50	46.7	93	75-118	
tert-Butylbenzene	ug/kg	50	41.0	82	54-124	
Tetrachloroethene	ug/kg	50	41.7	83	66-126	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 694526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	50	40.2	80	69-115	
trans-1,2-Dichloroethene	ug/kg	50	39.7	79	69-120	
trans-1,3-Dichloropropene	ug/kg	50	41.3	83	61-116	
trans-1,4-Dichloro-2-butene	ug/kg	200	176	88	59-130	
Trichloroethene	ug/kg	50	48.7	97	71-117	
Trichlorofluoromethane	ug/kg	50	48.1	96	67-138	
Vinyl acetate	ug/kg	200	173	87	35-134	
Vinyl chloride	ug/kg	50	49.3	99	64-127	
Xylene (Total)	ug/kg	150	129	86	69-117	
4-Bromofluorobenzene (S)	%.			101	65-117	
Dibromofluoromethane (S)	%.			104	82-130	
Toluene-d8 (S)	%.			98	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694527 694528

Parameter	Units	5058729001		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
		Spike	Conc.	Spike	Conc.						RPD	RPD
1,1,1,2-Tetrachloroethane	ug/kg	ND	48.9	45.6	37.5	49.8	77	109	10-111	28	20	
1,1,1-Trichloroethane	ug/kg	ND	48.9	45.6	41.9	51.4	86	113	36-128	20	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	48.9	45.6	ND	8.8	0	19	10-130		20	M0
1,1,2-Trichloroethane	ug/kg	ND	48.9	45.6	39.1	39.6	80	87	10-126	1	20	
1,1-Dichloroethane	ug/kg	ND	48.9	45.6	44.7	55.0	91	121	39-126	21	20	
1,1-Dichloroethene	ug/kg	ND	48.9	45.6	46.4	66.2	95	145	42-147	35	20	
1,1-Dichloropropene	ug/kg	ND	48.9	45.6	38.4	45.4	78	100	29-129	17	20	
1,2,3-Trichlorobenzene	ug/kg	ND	48.9	45.6	26.2	27.7	54	61	10-91	5	20	
1,2,3-Trichloropropane	ug/kg	ND	48.9	45.6	57.1	68.1	117	149	10-99	18	20	M0
1,2,4-Trichlorobenzene	ug/kg	ND	48.9	45.6	27.1	29.5	55	65	10-88	8	20	
1,2,4-Trimethylbenzene	ug/kg	ND	48.9	45.6	36.7	39.0	75	85	10-109	6	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	48.9	45.6	40.3	49.7	82	109	10-119	21	20	
1,2-Dichlorobenzene	ug/kg	ND	48.9	45.6	32.5	35.1	66	77	10-104	8	20	
1,2-Dichloroethane	ug/kg	ND	48.9	45.6	46.5	56.3	95	124	19-126	19	20	
1,2-Dichloropropane	ug/kg	ND	48.9	45.6	42.4	52.9	87	116	24-123	22	20	
1,3,5-Trimethylbenzene	ug/kg	ND	48.9	45.6	36.9	39.3	75	86	10-118	6	20	
1,3-Dichlorobenzene	ug/kg	ND	48.9	45.6	32.4	35.2	66	77	10-108	8	20	
1,3-Dichloropropane	ug/kg	ND	48.9	45.6	43.3	52.8	88	116	12-121	20	20	
1,4-Dichlorobenzene	ug/kg	ND	48.9	45.6	31.9	34.7	65	76	10-104	9	20	
2,2-Dichloropropane	ug/kg	ND	48.9	45.6	39.0	48.4	80	106	32-124	21	20	
2-Butanone (MEK)	ug/kg	ND	244	227	244	296	100	130	10-183	19	20	
2-Chlorotoluene	ug/kg	ND	48.9	45.6	35.2	37.3	72	82	10-128	6	20	
2-Hexanone	ug/kg	ND	244	227	234	284	96	125	10-158	20	20	
4-Chlorotoluene	ug/kg	ND	48.9	45.6	35.5	39.1	72	86	10-119	10	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	244	227	218	274	89	120	12-130	23	20	
Acetone	ug/kg	ND	244	227	293	354	120	156	10-200	19	20	
Acrolein	ug/kg	ND	979	912	979	1210	100	133	10-200	21	20	
Acrylonitrile	ug/kg	ND	979	912	785	963	80	106	19-130	20	20	
Benzene	ug/kg	ND	48.9	45.6	41.9	51.3	86	113	23-138	20	20	
Bromobenzene	ug/kg	ND	48.9	45.6	36.3	68.2	74	150	10-111	61	20	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694527 694528

Parameter	Units	5058729001 Result	MS	MSD	MS Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	Max
			Spike Conc.	MSD Limits								
Bromochloromethane	ug/kg	ND	48.9	45.6	42.5		49.9	87	109	26-126	16	20
Bromodichloromethane	ug/kg	ND	48.9	45.6	37.0		40.9	76	90	10-120	10	20
Bromoform	ug/kg	ND	48.9	45.6	32.4		45.4	66	100	10-106	34	20
Bromomethane	ug/kg	ND	48.9	45.6	53.4		55.6	109	122	10-190	4	20
Carbon disulfide	ug/kg	ND	97.9	91.2	89.2		100	91	110	31-128	11	20
Carbon tetrachloride	ug/kg	ND	48.9	45.6	38.1		46.0	78	101	26-126	19	20
Chlorobenzene	ug/kg	ND	48.9	45.6	37.8		46.8	77	103	10-120	21	20
Chloroethane	ug/kg	ND	48.9	45.6	49.1		59.5	100	130	18-186	19	20
Chloroform	ug/kg	ND	48.9	45.6	43.4		53.2	89	117	29-126	20	20
Chloromethane	ug/kg	ND	48.9	45.6	49.3		60.9	101	134	34-131	21	20
cis-1,2-Dichloroethene	ug/kg	ND	48.9	45.6	38.8		46.7	79	102	28-132	19	20
cis-1,3-Dichloropropene	ug/kg	ND	48.9	45.6	36.7		43.8	75	96	10-108	18	20
Dibromochloromethane	ug/kg	ND	48.9	45.6	34.7		39.1	71	86	10-108	12	20
Dibromomethane	ug/kg	ND	48.9	45.6	44.3		55.3	90	121	13-122	22	20
Dichlorodifluoromethane	ug/kg	ND	48.9	45.6	59.1		72.3	121	159	10-197	20	20
Ethyl methacrylate	ug/kg	ND	196	183	79.7J		ND	41	3	10-130		20
Ethylbenzene	ug/kg	ND	48.9	45.6	39.4		50.7	80	111	10-135	25	20
Hexachloro-1,3-butadiene	ug/kg	ND	48.9	45.6	30.7		33.6	63	74	10-105	9	20
Iodomethane	ug/kg	ND	97.9	91.2	64.8J		106	66	117	10-163		20
Isopropylbenzene (Cumene)	ug/kg	ND	48.9	45.6	39.8		50.2	81	110	10-121	23	20
Methyl-tert-butyl ether	ug/kg	ND	97.9	91.2	84.9		106	87	117	20-140	23	20
Methylene Chloride	ug/kg	ND	48.9	45.6	42.3		53.4	86	117	28-131	23	20
n-Butylbenzene	ug/kg	ND	48.9	45.6	34.1		36.0	70	79	10-110	5	20
n-Hexane	ug/kg	ND	48.9	45.6	32.2		40.5	66	89	21-150	23	20
n-Propylbenzene	ug/kg	ND	48.9	45.6	37.2		39.7	76	87	10-123	7	20
p-Isopropyltoluene	ug/kg	ND	48.9	45.6	36.2		38.0	74	83	10-117	5	20
sec-Butylbenzene	ug/kg	ND	48.9	45.6	36.5		39.1	75	86	10-123	7	20
Styrene	ug/kg	ND	48.9	45.6	41.3		52.2	84	115	10-119	23	20
tert-Butylbenzene	ug/kg	ND	48.9	45.6	35.5		38.8	73	85	10-105	9	20
Tetrachloroethene	ug/kg	ND	48.9	45.6	38.5		47.0	79	103	10-122	20	20
Toluene	ug/kg	ND	48.9	45.6	38.7		47.6	79	104	10-131	21	20
trans-1,2-Dichloroethene	ug/kg	ND	48.9	45.6	38.8		45.9	79	101	32-136	17	20
trans-1,3-Dichloropropene	ug/kg	ND	48.9	45.6	35.2		41.8	72	92	10-101	17	20
trans-1,4-Dichloro-2-butene	ug/kg	ND	196	183	142		167	72	92	10-104	17	20
Trichloroethene	ug/kg	ND	48.9	45.6	80.0		101	164	222	15-133	23	20 M0
Trichlorofluoromethane	ug/kg	ND	48.9	45.6	47.0		57.0	96	125	37-152	19	20
Vinyl acetate	ug/kg	ND	196	183	ND		47.3J	20	26	10-103		20
Vinyl chloride	ug/kg	ND	48.9	45.6	50.2		60.3	103	132	41-147	18	20
Xylene (Total)	ug/kg	ND	147	137	117		153	80	112	10-131	27	20
4-Bromofluorobenzene (S)	%.							102	95	67-134		20
Dibromofluoromethane (S)	%.							99	84	71-125		20 2d
Toluene-d8 (S)	%.							100	98	76-124		20

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	OEXT/28840	Analysis Method:	EPA 8015 Mod Ext
QC Batch Method:	EPA 3546	Analysis Description:	EPA 8015 Modified
Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013			

METHOD BLANK:	690889	Matrix:	Solid
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Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
High End Organics (C8-C34)	mg/kg	ND	10.0	02/22/12 17:11	
n-Pentacosane (S)	%	69	30-126	02/22/12 17:11	

LABORATORY CONTROL SAMPLE:	690890	
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Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
High End Organics (C8-C34)	mg/kg	83.3	49.2	59	47-107	
n-Pentacosane (S)	%			74	30-126	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	690891	690892
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Parameter	Units	MS	MSD	MS	MSD	% Rec	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		5058731004	Spike	Spike	Result	Result	Result	Result	Result	Limits	RPD	RPD	Qual
High End Organics (C8-C34)	mg/kg	ND	101	101	51.9	57.1	49	54	23-115	10	20		
n-Pentacosane (S)	%						62	70	30-126				

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	OEXT/28854	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV PAH by SIM
Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011, 5058731012, 5058731013		

METHOD BLANK: 691466 Matrix: Solid

Associated Lab Samples: 5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008,
5058731009, 5058731010, 5058731011, 5058731012, 5058731013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/kg	ND	5.0	02/22/12 22:27	
Acenaphthene	ug/kg	ND	5.0	02/22/12 22:27	
Acenaphthylene	ug/kg	ND	5.0	02/22/12 22:27	
Anthracene	ug/kg	ND	5.0	02/22/12 22:27	
Benzo(a)anthracene	ug/kg	ND	5.0	02/22/12 22:27	
Benzo(a)pyrene	ug/kg	ND	5.0	02/22/12 22:27	
Benzo(b)fluoranthene	ug/kg	ND	5.0	02/22/12 22:27	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	02/22/12 22:27	
Benzo(k)fluoranthene	ug/kg	ND	5.0	02/22/12 22:27	
Chrysene	ug/kg	ND	5.0	02/22/12 22:27	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	02/22/12 22:27	
Fluoranthene	ug/kg	ND	5.0	02/22/12 22:27	
Fluorene	ug/kg	ND	5.0	02/22/12 22:27	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	02/22/12 22:27	
Naphthalene	ug/kg	ND	5.0	02/22/12 22:27	
Phenanthrene	ug/kg	ND	5.0	02/22/12 22:27	
Pyrene	ug/kg	ND	5.0	02/22/12 22:27	
2-Fluorobiphenyl (S)	%.	66	46-109	02/22/12 22:27	
p-Terphenyl-d14 (S)	%.	80	43-107	02/22/12 22:27	

LABORATORY CONTROL SAMPLE: 691467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/kg	333	219	66	49-116	
Acenaphthene	ug/kg	333	237	71	52-114	
Acenaphthylene	ug/kg	333	241	72	52-119	
Anthracene	ug/kg	333	283	85	55-124	
Benzo(a)anthracene	ug/kg	333	249	75	52-122	
Benzo(a)pyrene	ug/kg	333	281	84	56-131	
Benzo(b)fluoranthene	ug/kg	333	252	76	54-125	
Benzo(g,h,i)perylene	ug/kg	333	249	75	55-122	
Benzo(k)fluoranthene	ug/kg	333	265	79	55-128	
Chrysene	ug/kg	333	256	77	56-118	
Dibenz(a,h)anthracene	ug/kg	333	250	75	56-125	
Fluoranthene	ug/kg	333	269	81	55-125	
Fluorene	ug/kg	333	240	72	54-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	253	76	56-124	
Naphthalene	ug/kg	333	221	66	52-112	
Phenanthrene	ug/kg	333	242	73	53-116	
Pyrene	ug/kg	333	270	81	55-120	

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

LABORATORY CONTROL SAMPLE: 691467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%. %			65 77	46-109 43-107	
p-Terphenyl-d14 (S)						

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691468 691469

Parameter	Units	5058731004 Result	MS Spike	MSD Spike	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Conc.	Conc.								
2-Methylnaphthalene	ug/kg	ND	403	403	290	291	72	72	43-106	.3	20	
Acenaphthene	ug/kg	ND	403	403	313	308	78	76	46-101	2	20	
Acenaphthylene	ug/kg	ND	403	403	322	318	80	79	47-105	1	20	
Anthracene	ug/kg	ND	403	403	350	343	87	85	39-112	2	20	
Benzo(a)anthracene	ug/kg	ND	403	403	291	290	72	72	36-105	.3	20	
Benzo(a)pyrene	ug/kg	ND	403	403	315	316	78	78	34-113	.4	20	
Benzo(b)fluoranthene	ug/kg	ND	403	403	280	283	69	70	33-111	1	20	
Benzo(g,h,i)perylene	ug/kg	ND	403	403	278	282	69	70	26-109	1	20	
Benzo(k)fluoranthene	ug/kg	ND	403	403	292	291	72	72	31-116	.5	20	
Chrysene	ug/kg	ND	403	403	306	302	76	75	34-109	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	403	403	294	287	73	71	32-111	2	20	
Fluoranthene	ug/kg	ND	403	403	311	319	77	79	33-117	2	20	
Fluorene	ug/kg	ND	403	403	309	306	77	76	44-107	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	403	403	277	276	69	69	27-113	.1	20	
Naphthalene	ug/kg	ND	403	403	299	298	74	74	45-106	.1	20	
Phenanthrene	ug/kg	ND	403	403	313	317	77	78	42-103	1	20	
Pyrene	ug/kg	ND	403	403	326	329	81	82	36-111	1	20	
2-Fluorobiphenyl (S)	%. %						71	70	46-109 43-107		20 20	
p-Terphenyl-d14 (S)												

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691470 691471

Parameter	Units	5058742002 Result	MS Spike	MSD Spike	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Conc.	Conc.								
2-Methylnaphthalene	ug/kg	ND	381	381	275	255	72	67	43-106	7	20	
Acenaphthene	ug/kg	7.4	381	381	282	252	72	64	46-101	11	20	
Acenaphthylene	ug/kg	ND	381	381	285	257	75	67	47-105	10	20	
Anthracene	ug/kg	ND	381	381	293	254	75	65	39-112	14	20	
Benzo(a)anthracene	ug/kg	8.7	381	381	261	215	66	54	36-105	19	20	
Benzo(a)pyrene	ug/kg	ND	381	381	286	226	74	58	34-113	24	20	R1
Benzo(b)fluoranthene	ug/kg	5.8	381	381	257	202	66	51	33-111	24	20	R1
Benzo(g,h,i)perylene	ug/kg	ND	381	381	248	189	64	48	26-109	27	20	R1
Benzo(k)fluoranthene	ug/kg	ND	381	381	267	217	69	55	31-116	21	20	R1
Chrysene	ug/kg	9.5	381	381	267	217	67	54	34-109	21	20	R1
Dibenz(a,h)anthracene	ug/kg	ND	381	381	252	197	65	51	32-111	24	20	R1
Fluoranthene	ug/kg	8.4	381	381	273	234	69	59	33-117	16	20	
Fluorene	ug/kg	15.3	381	381	279	249	69	61	44-107	11	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	381	381	251	194	65	50	27-113	26	20	R1

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QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			691470													
Parameter	Units	Result	MS		MSD		MS	MSD	% Rec	MSD	% Rec	% Rec	Limits	RPD	RPD	Max
			5058742002	Spike Conc.	Spike Conc.	Result										
Naphthalene	ug/kg	ND	381	381	424	404	111	106	45-106	5	20	M0				
Phenanthrene	ug/kg	18.8	381	381	295	260	72	63	42-103	13	20					
Pyrene	ug/kg	15.5	381	381	298	257	74	63	36-111	15	20					
2-Fluorobiphenyl (S)	%.						61	57	46-109		20					
p-Terphenyl-d14 (S)	%.						58	53	43-107		20					

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	PMST/6746	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5058731001, 5058731002, 5058731003, 5058731004, 5058731005, 5058731006, 5058731007, 5058731008, 5058731009, 5058731010, 5058731011		

SAMPLE DUPLICATE: 691556

Parameter	Units	5058730001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.6	4.8	6	5	R2

SAMPLE DUPLICATE: 691557

Parameter	Units	5058731004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.4	17.4	.2	5	

QUALITY CONTROL DATA

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

QC Batch:	PMST/6747	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5058731012, 5058731013		

SAMPLE DUPLICATE: 691558

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	32.4	28.9	11	5	R2

SAMPLE DUPLICATE: 691559

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.2	17.3	.5	5	

QUALIFIERS

Project: WCIEDD - Former Coal Yard
 Pace Project No.: 5058731

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
 ND - Not Detected at or above adjusted reporting limit.
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 MDL - Adjusted Method Detection Limit.
 S - Surrogate
 1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
 Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
 LCS(D) - Laboratory Control Sample (Duplicate)
 MS(D) - Matrix Spike (Duplicate)
 DUP - Sample Duplicate
 RPD - Relative Percent Difference
 NC - Not Calculable.
 SG - Silica Gel - Clean-Up
 U - Indicates the compound was analyzed for, but not detected.
 N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
 Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
 TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1d RPD is outside control limits due to sample non-homogeneity. FRW 2-22-12
- 2d Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 2-28-12
- 3d The sample was analyzed at dilution due to its physical characteristics. 2-23-12 RRB
- 4d The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 02.23.12
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- N2 The lab does not hold TNI accreditation for this parameter.
- R1 RPD value was outside control limits.
- R2 RPD value was outside control limits due to matrix interference
- RS The RPD value in one of the constituent analytes was outside the control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5058731001	GP-1 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731002	GP-1 (2-4)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731003	GP-2 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731004	GP-2 (2-4)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731005	GP-3 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731006	GP-3 (6-8)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731007	GP-4 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731008	GP-4 (8-10)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731009	GP-5 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731010	GP-5 (6-8)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731011	GP-6 (0-.5)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731012	GP-6 (2-4)	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731013	Duplicate	EPA 3546	OEXT/28840	EPA 8015 Mod Ext	GCSV/8949
5058731001	GP-1 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731002	GP-1 (2-4)	EPA 8015 Mod Pur	GCV/14666		
5058731003	GP-2 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731004	GP-2 (2-4)	EPA 8015 Mod Pur	GCV/14666		
5058731005	GP-3 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731006	GP-3 (6-8)	EPA 8015 Mod Pur	GCV/14666		
5058731007	GP-4 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731008	GP-4 (8-10)	EPA 8015 Mod Pur	GCV/14666		
5058731009	GP-5 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731010	GP-5 (6-8)	EPA 8015 Mod Pur	GCV/14666		
5058731011	GP-6 (0-.5)	EPA 8015 Mod Pur	GCV/14666		
5058731012	GP-6 (2-4)	EPA 8015 Mod Pur	GCV/14666		
5058731013	Duplicate	EPA 8015 Mod Pur	GCV/14666		
5058731001	GP-1 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731002	GP-1 (2-4)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731003	GP-2 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731004	GP-2 (2-4)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731005	GP-3 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731006	GP-3 (6-8)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731007	GP-4 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731008	GP-4 (8-10)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731009	GP-5 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731010	GP-5 (6-8)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731011	GP-6 (0-.5)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731012	GP-6 (2-4)	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731013	Duplicate	EPA 3050	MPRP/8679	EPA 6010	ICP/8482
5058731001	GP-1 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731002	GP-1 (2-4)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731003	GP-2 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731004	GP-2 (2-4)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731005	GP-3 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731006	GP-3 (6-8)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731007	GP-4 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731008	GP-4 (8-10)	EPA 7471	MERP/3700	EPA 7471	MERC/3627

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WCIEDD - Former Coal Yard

Pace Project No.: 5058731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5058731009	GP-5 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731010	GP-5 (6-8)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731011	GP-6 (0-.5)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731012	GP-6 (2-4)	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731013	Duplicate	EPA 7471	MERP/3700	EPA 7471	MERC/3627
5058731001	GP-1 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731002	GP-1 (2-4)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731003	GP-2 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731004	GP-2 (2-4)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731005	GP-3 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731006	GP-3 (6-8)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731007	GP-4 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731008	GP-4 (8-10)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731009	GP-5 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731010	GP-5 (6-8)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731011	GP-6 (0-.5)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731012	GP-6 (2-4)	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731013	Duplicate	EPA 3546	OEXT/28854	EPA 8270 by SIM	MSSV/9647
5058731014	Trip Blank	EPA 8260	MSV/39921		
5058731001	GP-1 (0-.5)	EPA 8260	MSV/39888		
5058731002	GP-1 (2-4)	EPA 8260	MSV/39888		
5058731003	GP-2 (0-.5)	EPA 8260	MSV/39888		
5058731004	GP-2 (2-4)	EPA 8260	MSV/39888		
5058731005	GP-3 (0-.5)	EPA 8260	MSV/39919		
5058731006	GP-3 (6-8)	EPA 8260	MSV/39888		
5058731007	GP-4 (0-.5)	EPA 8260	MSV/39888		
5058731008	GP-4 (8-10)	EPA 8260	MSV/39888		
5058731009	GP-5 (0-.5)	EPA 8260	MSV/39888		
5058731010	GP-5 (6-8)	EPA 8260	MSV/39919		
5058731011	GP-6 (0-.5)	EPA 8260	MSV/39919		
5058731012	GP-6 (2-4)	EPA 8260	MSV/39919		
5058731013	Duplicate	EPA 8260	MSV/39919		
5058731001	GP-1 (0-.5)	ASTM D2974-87	PMST/6746		
5058731002	GP-1 (2-4)	ASTM D2974-87	PMST/6746		
5058731003	GP-2 (0-.5)	ASTM D2974-87	PMST/6746		
5058731004	GP-2 (2-4)	ASTM D2974-87	PMST/6746		
5058731005	GP-3 (0-.5)	ASTM D2974-87	PMST/6746		
5058731006	GP-3 (6-8)	ASTM D2974-87	PMST/6746		
5058731007	GP-4 (0-.5)	ASTM D2974-87	PMST/6746		
5058731008	GP-4 (8-10)	ASTM D2974-87	PMST/6746		
5058731009	GP-5 (0-.5)	ASTM D2974-87	PMST/6746		
5058731010	GP-5 (6-8)	ASTM D2974-87	PMST/6746		
5058731011	GP-6 (0-.5)	ASTM D2974-87	PMST/6746		
5058731012	GP-6 (2-4)	ASTM D2974-87	PMST/6747		
5058731013	Duplicate	ASTM D2974-87	PMST/6747		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WCIEDD - Former Coal Yard
 Pace Project No.: 5058731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: ATC Associates, Inc.	Report To: rob.walker@atcassociates.com	Invoice Information: Attention: Angie Tribby
Address: 7988 Centerpoint Drive	Copy To: natalie.mathews@atcassociates.com	Company Name:
Indianapolis, IN 46256		
Email To: rob.walker@atcassociates.com	Purchase Order No.:	Address:
Phone: (317)579-4063 Fax:	Project Name: Former Coal Yard	Pace Quote Reference:
Requested Due Date/TAT: 2 week TAT	Project Number: 86-39738-016H	Pace Project Manager:

Section C

Section B Required Project Information:		Regulatory Agency
Report To: rob.walker@atcassociates.com	Copy To: natalie.mathews@atcassociates.com	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
Address: 7988 Centerpoint Drive	Purchase Order No.:	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
Indiana, IN 46256		
Email To: rob.walker@atcassociates.com	Project Name: Former Coal Yard	Site Location STATE: IN
Phone: (317)579-4063 Fax:	Project Number: 86-39738-016H	
Requested Due Date/TAT: 2 week TAT		

Page: 1 of 2

Section D	Required Client Information	Requested Analysis Filtered (Y/N)																												
		Valid Matrix Codes	CODE	COLLECTED	Preservatives			# OF CONTAINERS			SAMPLE TEMP AT COLLECTION																			
MATRIX	DRINKING WATER	COMPOSITE START	COMPOSITE END/GRAB	NaOH	HCl	HNO ₃	H ₂ SO ₄	Na ₂ SO ₃	Methanol	Other	DATE	TIME	DATE	TIME																
ITEM #	(A-Z, 0-9, -,)	Sample IDs MUST BE UNIQUE	MATRIX CODE (G=GRAB C=COMB) (see valid codes to left)	SL G 2/16/12 9:58 →	SL G 2/16/12 10:05 →	3	x	x	x	x	x	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011	-012							
1	GP-1 (1-5)		DRINKING WATER	1/16/12 11:03	3	x	x	x	x	x	x																			
2	GP-1 (4-4)		WASTE WATER	2/16/12 11:10	9	x	x	x	x	x	x																			
3	GP-2 (6-5)		PRODUCT	2/16/12 12:12	3	x	x	x	x	x	x																			
4	GP-2 (3-4)		SOIL/SOLID	6/16/12 12:20	3	x	x	x	x	x	x																			
5	GP-3 (0-5)		OIL	6/16/12 12:20	3	x	x	x	x	x	x																			
6	GP-3 (6-3)		WIPE	6/16/12 12:20	3	x	x	x	x	x	x																			
7	GP-4 (0-5)		AIR	6/16/12 12:20	3	x	x	x	x	x	x																			
8	GP-4 (3-10)		OTHER	6/16/12 12:20	3	x	x	x	x	x	x																			
9	GP-5 (6-5)		TISSUE	6/16/12 12:20	3	x	x	x	x	x	x																			
10	GP-5 (6-8)			6/16/12 12:20	3	x	x	x	x	x	x																			
11	GP-6 (0-5)			6/16/12 12:20	3	x	x	x	x	x	x																			
12	GP-6 (3-4)			6/16/12 12:20	3	x	x	x	x	x	x																			
Additional Comments		RELINQUISHED BY / AFFILIATION	DATE	TIME	Accepted By / Affiliation												DATE	TIME	Sample Conditions											
Report limits comparable to IDEM		2/17/12	2:05	Telleent Technologies												2/17/12	2:05													
RSC RDCLs, please use WCIEDD rates																														
Level IV QA/QC																														

Temp in °C	Received on (Y/N)	Custody Seal/Coder (Y/N)	Samples intact (Y/N)
PRINT NAME of SAMPLER: Natalie Mathews DATE Signed (MM/DD/YY): 3/4/2012			
SIGNATURE of SAMPLER: Natalie Mathews DATE Signed (MM/DD/YY):			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a **LEGAL DOCUMENT**. All relevant fields must be completed accurately.



Section A

Required Client Information

Required Project Information:

Section B

Required Project Information:

Company: ATC Associates, Inc.		Report To: rob.walker@atcassociates.com		Attention: Angie Tribby	
Address: 7988 Centerpoint Drive Indianapolis, IN 46256		Copy To: natalie.mathews@atcassociates.com		Company Name:	
		Purchase Order No.:		Address:	
Email To: rob.walker@atcassociates.com Phone: (317)579-4063 Fax:		Project Name: Former Coal Yard		Pace Quote Reference:	
Requested Due Date(TAT): 2 week TAT		Project Number: 86 39738.0161H		Pace Project Manager:	
Pace Profile #:		Site Location: IN		Pace Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Residual Chlorine (Y/N)					
STATE: IN					
Requested Analyses Filtered (Y/N)					
V/N ↑					
ANALYSIS TEST					
# OF CONTAINERS					
SAMPLE TEMP AT COLLECTION					
Lithopreserved					
Preservatives					
COMPOSITE ENDGRAB					
COMPOSITE START					
MATERIAL CODE (see valid codes to left)					
MATRIX CODE (see valid codes to left)					
Valid Matrix Codes					
MATRIX					
DW					
WT					
WW					
P					
SL					
OL					
WP					
AR					
OT					
TS					
SAMPLE TYPE (G=GRAB C=COMP)					
COLLECTED					
Section D Required Client Information					
SAMPLE ID					
(A-Z, 0-9, -,) Sample IDs MUST BE UNIQUE					
ITEM #					
1	Duplicate	SL	G	DATE	TIME
2	Trip Blank	SL	G	prepared	face 1
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
ADDITIONAL COMMENTS					
RElinquished by / AFFILIATION					
DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS					
Report limits comparable to IDEM					
RISCS RDCLs, please use WCIED rates					
Level IV QA/QC					
SAMPLE NAME AND SIGNATURE PRINT Name of SAMPLER: Natalie Mathews					
Signature of SAMPLER: <i>Natalie Mathews</i>					
DATE Signed (MM/DD/YY): <i>2/17/12</i>					
Temp in °C					
Received on _____					
Customer Seal (Y/N)					
Customer Seal (Y/N)					
Samples Intact (Y/N)					

Sample Condition Upon Receipt

Pace Analytical

Client Name: ATC

Project # SOS 8731

Courier: FedEx UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Date/Time 5035A kits placed in freezer

Packing Material: Bubble Wrap Bubble Bags None Other T-C

Thermometer Used 12 3 4 5 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature
(Corrected, if applicable)

1.0 °C

Ice Visible in Sample Containers:

yes no

Temp should be above freezing to 6°C

2.4°C

Comments:

Date and Initials of person examining contents: 2/17/12 JMC BS9

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>T-Cores</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. <u>Two core trip</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Project Manager Review

Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

COC = 3 count instead of total # of containers per sample

COC = 9 count for msl/msd instead of total # of container for that sample.

Project Manager Review:

JLJ/CD

Date: 2-17-12

Sample Container Count

ATC

**COC PAGE 1 of 2
COC ID# _____**

Project # 5058731

Sample Line

Item	DG9H	AG1U	WGFU	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Container Codes

DG9H	40mL HCl amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H ₂ SO ₄ plastic	DG9S	40mL H ₂ SO ₄ amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H ₂ SO ₄ amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JGFB	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H ₂ SO ₄ amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H ₂ SO ₄ plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VGGH	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VGGT	40mL Na Thio, clear vial
BP3S	250mL H ₂ SO ₄ plastic	BG1S	1 liter H ₂ SO ₄ clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VGGU	40mL unpreserved clear vial
AG3S	250mL H ₂ SO ₄ glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassette	VSG	Headspace septa vial & HCL
AG1S	1 liter H ₂ SO ₄ amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

ATC

DOC PAGE 2 of 2
DOC ID# _____

Project # SOS8A73

Pace Analytical
www.paceanalytical.com

Sample Line Item	DG9H	AG1U	WG FU R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500ml unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250ml unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio, clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfite amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

March 22, 2012

Mr. Rob Walker
ATC Associates
7988 Centerpoint Drive
Indianapolis, IN 46256

RE: Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751 Revised Report; naphthalene removed from 8260 compound list

Dear Mr. Walker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WCIEDD-Fomer Coal Yard
 Pace Project No.: 5058751

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5058751001	GP-7 (0-0.5)	Solid	02/17/12 10:00	02/17/12 17:45
5058751002	GP-7 (6-8)	Solid	02/17/12 10:10	02/17/12 17:45
5058751003	GP-8 (0-0.5)	Solid	02/17/12 10:40	02/17/12 17:45
5058751004	GP-8 (8-10)	Solid	02/17/12 10:45	02/17/12 17:45
5058751005	GP-9 (0-0.5)	Solid	02/17/12 11:10	02/17/12 17:45
5058751006	GP-9 (6-8)	Solid	02/17/12 11:15	02/17/12 17:45
5058751007	GP-10 (0-0.5)	Solid	02/17/12 11:50	02/17/12 17:45
5058751008	GP-10 (6-8)	Solid	02/17/12 11:55	02/17/12 17:45
5058751009	GP-11 (0-0.5)	Solid	02/17/12 12:40	02/17/12 17:45
5058751010	GP-11 (2-4)	Solid	02/17/12 12:45	02/17/12 17:45
5058751011	DUPLICATE	Solid	02/17/12 08:00	02/17/12 17:45
5058751012	TRIP BLANK	Water	02/17/12 08:00	02/17/12 17:45

REPORT OF LABORATORY ANALYSIS

Page 3 of 67

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SAMPLE ANALYTE COUNT

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5058751001	GP-7 (0-0.5)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751002	GP-7 (6-8)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751003	GP-8 (0-0.5)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751004	GP-8 (8-10)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751005	GP-9 (0-0.5)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751006	GP-9 (6-8)	EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2

REPORT OF LABORATORY ANALYSIS

Page 4 of 67

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SAMPLE ANALYTE COUNT

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5058751007	GP-10 (0-0.5)	EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
5058751008	GP-10 (6-8)	EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
5058751009	GP-11 (0-0.5)	EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
5058751010	GP-11 (2-4)	EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	RRB	19
5058751011	DUPLICATE	EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
		EPA 8015 Mod Ext	CEM	2
		EPA 8015 Mod Pur	AMV	2
		EPA 6010	FRW	7
		EPA 7471	LLB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: WCIEDD-Fomer Coal Yard
 Pace Project No.: 5058751

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8270 by SIM	RRB	19
		EPA 8260	GRM	72
		ASTM D2974-87	MLS	1
5058751012	TRIP BLANK	EPA 8260	GRM	72

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (0-0.5) Lab ID: **5058751001** Collected: 02/17/12 10:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	259 mg/kg		11.6	1	02/19/12 12:07	02/21/12 16:43		
Surrogates								
n-Pentacosane (S)	181 %.		30-126	1	02/19/12 12:07	02/21/12 16:43	629-99-2	3d
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.6	1		02/21/12 14:39		
Surrogates								
4-Bromofluorobenzene (S)	65 %.		30-163	1		02/21/12 14:39	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.6 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7440-38-2	
Barium	39.0 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7440-43-9	
Chromium	8.6 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7440-47-3	
Lead	21.9 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7439-92-1	
Selenium	2.9 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7782-49-2	
Silver	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:19	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.24	1	03/01/12 12:19	03/02/12 14:58	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	52.0 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	83-32-9	
Acenaphthylene	ND ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	208-96-8	
Anthracene	140 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	120-12-7	
Benzo(a)anthracene	219 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	56-55-3	
Benzo(a)pyrene	122 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	50-32-8	
Benzo(b)fluoranthene	106 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	205-99-2	
Benzo(g,h,i)perylene	73.9 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	191-24-2	
Benzo(k)fluoranthene	114 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	207-08-9	
Chrysene	327 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	218-01-9	
Dibenz(a,h)anthracene	28.9 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	53-70-3	
Fluoranthene	478 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	206-44-0	
Fluorene	84.5 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	86-73-7	
Indeno(1,2,3-cd)pyrene	43.5 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	193-39-5	
2-Methylnaphthalene	747 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	91-57-6	
Naphthalene	364 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	91-20-3	
Phenanthrene	1390 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	85-01-8	
Pyrene	545 ug/kg		5.8	1	02/22/12 12:08	02/23/12 15:44	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54 %.		46-109	1	02/22/12 12:08	02/23/12 15:44	321-60-8	
p-Terphenyl-d14 (S)	51 %.		43-107	1	02/22/12 12:08	02/23/12 15:44	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		188	1		02/28/12 18:31	67-64-1	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (0-0.5) Lab ID: 5058751001 Collected: 02/17/12 10:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		188	1		02/28/12 18:31	107-02-8	
Acrylonitrile	ND ug/kg		188	1		02/28/12 18:31	107-13-1	
Benzene	ND ug/kg		9.4	1		02/28/12 18:31	71-43-2	
Bromobenzene	ND ug/kg		9.4	1		02/28/12 18:31	108-86-1	
Bromochloromethane	ND ug/kg		9.4	1		02/28/12 18:31	74-97-5	
Bromodichloromethane	ND ug/kg		9.4	1		02/28/12 18:31	75-27-4	
Bromoform	ND ug/kg		9.4	1		02/28/12 18:31	75-25-2	
Bromomethane	ND ug/kg		9.4	1		02/28/12 18:31	74-83-9	
2-Butanone (MEK)	ND ug/kg		47.0	1		02/28/12 18:31	78-93-3	
n-Butylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	104-51-8	
sec-Butylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	135-98-8	
tert-Butylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	98-06-6	
Carbon disulfide	ND ug/kg		18.8	1		02/28/12 18:31	75-15-0	
Carbon tetrachloride	ND ug/kg		9.4	1		02/28/12 18:31	56-23-5	
Chlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	108-90-7	
Chloroethane	ND ug/kg		9.4	1		02/28/12 18:31	75-00-3	
Chloroform	ND ug/kg		9.4	1		02/28/12 18:31	67-66-3	
Chloromethane	ND ug/kg		9.4	1		02/28/12 18:31	74-87-3	
2-Chlorotoluene	ND ug/kg		9.4	1		02/28/12 18:31	95-49-8	
4-Chlorotoluene	ND ug/kg		9.4	1		02/28/12 18:31	106-43-4	
Dibromochloromethane	ND ug/kg		9.4	1		02/28/12 18:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		9.4	1		02/28/12 18:31	106-93-4	
Dibromomethane	ND ug/kg		9.4	1		02/28/12 18:31	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		188	1		02/28/12 18:31	110-57-6	
Dichlorodifluoromethane	ND ug/kg		9.4	1		02/28/12 18:31	75-71-8	
1,1-Dichloroethane	ND ug/kg		9.4	1		02/28/12 18:31	75-34-3	
1,2-Dichloroethane	ND ug/kg		9.4	1		02/28/12 18:31	107-06-2	
1,1-Dichloroethene	ND ug/kg		9.4	1		02/28/12 18:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		9.4	1		02/28/12 18:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		9.4	1		02/28/12 18:31	156-60-5	
1,2-Dichloropropane	ND ug/kg		9.4	1		02/28/12 18:31	78-87-5	
1,3-Dichloropropane	ND ug/kg		9.4	1		02/28/12 18:31	142-28-9	
2,2-Dichloropropane	ND ug/kg		9.4	1		02/28/12 18:31	594-20-7	
1,1-Dichloropropene	ND ug/kg		9.4	1		02/28/12 18:31	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		9.4	1		02/28/12 18:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		9.4	1		02/28/12 18:31	10061-02-6	
Ethylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	100-41-4	
Ethyl methacrylate	ND ug/kg		188	1		02/28/12 18:31	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		9.4	1		02/28/12 18:31	87-68-3	
n-Hexane	ND ug/kg		9.4	1		02/28/12 18:31	110-54-3	
2-Hexanone	ND ug/kg		188	1		02/28/12 18:31	591-78-6	
Iodomethane	ND ug/kg		188	1		02/28/12 18:31	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		9.4	1		02/28/12 18:31	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (0-0.5) Lab ID: 5058751001 Collected: 02/17/12 10:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		9.4	1		02/28/12 18:31	99-87-6	
Methylene Chloride	ND ug/kg		37.6	1		02/28/12 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		47.0	1		02/28/12 18:31	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		9.4	1		02/28/12 18:31	1634-04-4	
n-Propylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	103-65-1	
Styrene	ND ug/kg		9.4	1		02/28/12 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		9.4	1		02/28/12 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		9.4	1		02/28/12 18:31	79-34-5	
Tetrachloroethene	ND ug/kg		9.4	1		02/28/12 18:31	127-18-4	
Toluene	ND ug/kg		9.4	1		02/28/12 18:31	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		9.4	1		02/28/12 18:31	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		9.4	1		02/28/12 18:31	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		9.4	1		02/28/12 18:31	79-00-5	
Trichloroethene	ND ug/kg		9.4	1		02/28/12 18:31	79-01-6	
Trichlorofluoromethane	ND ug/kg		9.4	1		02/28/12 18:31	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		9.4	1		02/28/12 18:31	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		9.4	1		02/28/12 18:31	108-67-8	
Vinyl acetate	ND ug/kg		188	1		02/28/12 18:31	108-05-4	
Vinyl chloride	ND ug/kg		9.4	1		02/28/12 18:31	75-01-4	
Xylene (Total)	ND ug/kg		18.8	1		02/28/12 18:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	78 %.		71-125	1		02/28/12 18:31	1868-53-7	
Toluene-d8 (S)	107 %.		76-124	1		02/28/12 18:31	2037-26-5	
4-Bromofluorobenzene (S)	83 %.		67-134	1		02/28/12 18:31	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.0 %		0.10	1		02/24/12 11:00		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (6-8) Lab ID: **5058751002** Collected: 02/17/12 10:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.7	1	02/19/12 12:07	02/21/12 17:31		
Surrogates								
n-Pentacosane (S)	58 %.		30-126	1	02/19/12 12:07	02/21/12 17:31	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.0	1		02/21/12 15:02		
Surrogates								
4-Bromofluorobenzene (S)	96 %.		30-163	1		02/21/12 15:02	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.7 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7440-38-2	
Barium	106 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7440-43-9	
Chromium	20.6 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7440-47-3	
Lead	11.1 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7439-92-1	
Selenium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:21	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	03/01/12 12:19	03/02/12 15:00	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	83-32-9	
Acenaphthylene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	208-96-8	
Anthracene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	207-08-9	
Chrysene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	53-70-3	
Fluoranthene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	206-44-0	
Fluorene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	91-57-6	
Naphthalene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	91-20-3	
Phenanthrene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	85-01-8	
Pyrene	ND ug/kg		6.4	1	02/22/12 12:08	02/23/12 00:51	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61 %.		46-109	1	02/22/12 12:08	02/23/12 00:51	321-60-8	
p-Terphenyl-d14 (S)	70 %.		43-107	1	02/22/12 12:08	02/23/12 00:51	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		104	1		02/28/12 19:04	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (6-8) Lab ID: 5058751002 Collected: 02/17/12 10:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		104	1		02/28/12 19:04	107-02-8	
Acrylonitrile	ND ug/kg		104	1		02/28/12 19:04	107-13-1	
Benzene	ND ug/kg		5.2	1		02/28/12 19:04	71-43-2	
Bromobenzene	ND ug/kg		5.2	1		02/28/12 19:04	108-86-1	
Bromochloromethane	ND ug/kg		5.2	1		02/28/12 19:04	74-97-5	
Bromodichloromethane	ND ug/kg		5.2	1		02/28/12 19:04	75-27-4	
Bromoform	ND ug/kg		5.2	1		02/28/12 19:04	75-25-2	
Bromomethane	ND ug/kg		5.2	1		02/28/12 19:04	74-83-9	
2-Butanone (MEK)	ND ug/kg		25.9	1		02/28/12 19:04	78-93-3	
n-Butylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	104-51-8	
sec-Butylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	135-98-8	
tert-Butylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	98-06-6	
Carbon disulfide	ND ug/kg		10.4	1		02/28/12 19:04	75-15-0	
Carbon tetrachloride	ND ug/kg		5.2	1		02/28/12 19:04	56-23-5	
Chlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	108-90-7	
Chloroethane	ND ug/kg		5.2	1		02/28/12 19:04	75-00-3	
Chloroform	ND ug/kg		5.2	1		02/28/12 19:04	67-66-3	
Chloromethane	ND ug/kg		5.2	1		02/28/12 19:04	74-87-3	
2-Chlorotoluene	ND ug/kg		5.2	1		02/28/12 19:04	95-49-8	
4-Chlorotoluene	ND ug/kg		5.2	1		02/28/12 19:04	106-43-4	
Dibromochloromethane	ND ug/kg		5.2	1		02/28/12 19:04	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.2	1		02/28/12 19:04	106-93-4	
Dibromomethane	ND ug/kg		5.2	1		02/28/12 19:04	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		104	1		02/28/12 19:04	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.2	1		02/28/12 19:04	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.2	1		02/28/12 19:04	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.2	1		02/28/12 19:04	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.2	1		02/28/12 19:04	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.2	1		02/28/12 19:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.2	1		02/28/12 19:04	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.2	1		02/28/12 19:04	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.2	1		02/28/12 19:04	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.2	1		02/28/12 19:04	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.2	1		02/28/12 19:04	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.2	1		02/28/12 19:04	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.2	1		02/28/12 19:04	10061-02-6	
Ethylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	100-41-4	
Ethyl methacrylate	ND ug/kg		104	1		02/28/12 19:04	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.2	1		02/28/12 19:04	87-68-3	
n-Hexane	ND ug/kg		5.2	1		02/28/12 19:04	110-54-3	
2-Hexanone	ND ug/kg		104	1		02/28/12 19:04	591-78-6	
Iodomethane	ND ug/kg		104	1		02/28/12 19:04	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.2	1		02/28/12 19:04	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-7 (6-8) Lab ID: 5058751002 Collected: 02/17/12 10:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		5.2	1		02/28/12 19:04	99-87-6	
Methylene Chloride	ND ug/kg		20.7	1		02/28/12 19:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		25.9	1		02/28/12 19:04	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.2	1		02/28/12 19:04	1634-04-4	
n-Propylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	103-65-1	
Styrene	ND ug/kg		5.2	1		02/28/12 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.2	1		02/28/12 19:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.2	1		02/28/12 19:04	79-34-5	
Tetrachloroethene	ND ug/kg		5.2	1		02/28/12 19:04	127-18-4	
Toluene	ND ug/kg		5.2	1		02/28/12 19:04	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.2	1		02/28/12 19:04	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.2	1		02/28/12 19:04	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.2	1		02/28/12 19:04	79-00-5	
Trichloroethene	ND ug/kg		5.2	1		02/28/12 19:04	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.2	1		02/28/12 19:04	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.2	1		02/28/12 19:04	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.2	1		02/28/12 19:04	108-67-8	
Vinyl acetate	ND ug/kg		104	1		02/28/12 19:04	108-05-4	
Vinyl chloride	ND ug/kg		5.2	1		02/28/12 19:04	75-01-4	
Xylene (Total)	ND ug/kg		10.4	1		02/28/12 19:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	84 %.		71-125	1		02/28/12 19:04	1868-53-7	
Toluene-d8 (S)	97 %.		76-124	1		02/28/12 19:04	2037-26-5	
4-Bromofluorobenzene (S)	99 %.		67-134	1		02/28/12 19:04	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.5 %		0.10	1		02/27/12 14:24		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (0-0.5) Lab ID: **5058751003** Collected: 02/17/12 10:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	210 mg/kg		61.8	5	02/19/12 12:07	02/21/12 15:34		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/19/12 12:07	02/21/12 15:34	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.5	1		02/21/12 16:11		
Surrogates								
4-Bromofluorobenzene (S)	81 %.		30-163	1		02/21/12 16:11	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	15.7 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7440-38-2	
Barium	81.4 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7440-43-9	
Chromium	18.0 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7440-47-3	
Lead	84.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7439-92-1	
Selenium	3.6 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:38	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.25	1	03/01/12 12:19	03/02/12 15:07	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	71.2 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	83-32-9	
Acenaphthylene	100 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	208-96-8	
Anthracene	317 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	120-12-7	
Benzo(a)anthracene	466 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	56-55-3	
Benzo(a)pyrene	289 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	50-32-8	
Benzo(b)fluoranthene	441 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	205-99-2	
Benzo(g,h,i)perylene	221 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	191-24-2	
Benzo(k)fluoranthene	290 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	207-08-9	
Chrysene	625 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	218-01-9	
Dibenz(a,h)anthracene	82.1 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	53-70-3	
Fluoranthene	1090 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	206-44-0	
Fluorene	115 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	86-73-7	
Indeno(1,2,3-cd)pyrene	145 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	193-39-5	
2-Methylnaphthalene	439 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	91-57-6	
Naphthalene	283 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	91-20-3	
Phenanthrene	2490 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	85-01-8	
Pyrene	940 ug/kg		61.8	10	02/22/12 12:08	02/23/12 04:43	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54 %.		46-109	10	02/22/12 12:08	02/23/12 04:43	321-60-8	
p-Terphenyl-d14 (S)	60 %.		43-107	10	02/22/12 12:08	02/23/12 04:43	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		138	1		02/28/12 20:40	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (0-0.5) Lab ID: 5058751003 Collected: 02/17/12 10:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		138	1		02/28/12 20:40	107-02-8	
Acrylonitrile	ND ug/kg		138	1		02/28/12 20:40	107-13-1	
Benzene	ND ug/kg		6.9	1		02/28/12 20:40	71-43-2	
Bromobenzene	ND ug/kg		6.9	1		02/28/12 20:40	108-86-1	
Bromochloromethane	ND ug/kg		6.9	1		02/28/12 20:40	74-97-5	
Bromodichloromethane	ND ug/kg		6.9	1		02/28/12 20:40	75-27-4	
Bromoform	ND ug/kg		6.9	1		02/28/12 20:40	75-25-2	
Bromomethane	ND ug/kg		6.9	1		02/28/12 20:40	74-83-9	
2-Butanone (MEK)	ND ug/kg		34.5	1		02/28/12 20:40	78-93-3	
n-Butylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	104-51-8	
sec-Butylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	135-98-8	
tert-Butylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	98-06-6	
Carbon disulfide	ND ug/kg		13.8	1		02/28/12 20:40	75-15-0	
Carbon tetrachloride	ND ug/kg		6.9	1		02/28/12 20:40	56-23-5	
Chlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	108-90-7	
Chloroethane	ND ug/kg		6.9	1		02/28/12 20:40	75-00-3	
Chloroform	ND ug/kg		6.9	1		02/28/12 20:40	67-66-3	
Chloromethane	ND ug/kg		6.9	1		02/28/12 20:40	74-87-3	
2-Chlorotoluene	ND ug/kg		6.9	1		02/28/12 20:40	95-49-8	
4-Chlorotoluene	ND ug/kg		6.9	1		02/28/12 20:40	106-43-4	
Dibromochloromethane	ND ug/kg		6.9	1		02/28/12 20:40	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		6.9	1		02/28/12 20:40	106-93-4	
Dibromomethane	ND ug/kg		6.9	1		02/28/12 20:40	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		138	1		02/28/12 20:40	110-57-6	
Dichlorodifluoromethane	ND ug/kg		6.9	1		02/28/12 20:40	75-71-8	
1,1-Dichloroethane	ND ug/kg		6.9	1		02/28/12 20:40	75-34-3	
1,2-Dichloroethane	ND ug/kg		6.9	1		02/28/12 20:40	107-06-2	
1,1-Dichloroethene	ND ug/kg		6.9	1		02/28/12 20:40	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		6.9	1		02/28/12 20:40	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		6.9	1		02/28/12 20:40	156-60-5	
1,2-Dichloropropane	ND ug/kg		6.9	1		02/28/12 20:40	78-87-5	
1,3-Dichloropropane	ND ug/kg		6.9	1		02/28/12 20:40	142-28-9	
2,2-Dichloropropane	ND ug/kg		6.9	1		02/28/12 20:40	594-20-7	
1,1-Dichloropropene	ND ug/kg		6.9	1		02/28/12 20:40	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		6.9	1		02/28/12 20:40	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		6.9	1		02/28/12 20:40	10061-02-6	
Ethylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	100-41-4	
Ethyl methacrylate	ND ug/kg		138	1		02/28/12 20:40	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		6.9	1		02/28/12 20:40	87-68-3	
n-Hexane	ND ug/kg		6.9	1		02/28/12 20:40	110-54-3	
2-Hexanone	ND ug/kg		138	1		02/28/12 20:40	591-78-6	
Iodomethane	ND ug/kg		138	1		02/28/12 20:40	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		6.9	1		02/28/12 20:40	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (0-0.5) Lab ID: 5058751003 Collected: 02/17/12 10:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		6.9	1		02/28/12 20:40	99-87-6	
Methylene Chloride	ND ug/kg		27.6	1		02/28/12 20:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		34.5	1		02/28/12 20:40	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		6.9	1		02/28/12 20:40	1634-04-4	
n-Propylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	103-65-1	
Styrene	ND ug/kg		6.9	1		02/28/12 20:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		6.9	1		02/28/12 20:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		6.9	1		02/28/12 20:40	79-34-5	
Tetrachloroethene	ND ug/kg		6.9	1		02/28/12 20:40	127-18-4	
Toluene	ND ug/kg		6.9	1		02/28/12 20:40	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		6.9	1		02/28/12 20:40	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		6.9	1		02/28/12 20:40	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		6.9	1		02/28/12 20:40	79-00-5	
Trichloroethene	ND ug/kg		6.9	1		02/28/12 20:40	79-01-6	
Trichlorofluoromethane	ND ug/kg		6.9	1		02/28/12 20:40	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		6.9	1		02/28/12 20:40	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		6.9	1		02/28/12 20:40	108-67-8	
Vinyl acetate	ND ug/kg		138	1		02/28/12 20:40	108-05-4	
Vinyl chloride	ND ug/kg		6.9	1		02/28/12 20:40	75-01-4	
Xylene (Total)	ND ug/kg		13.8	1		02/28/12 20:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		71-125	1		02/28/12 20:40	1868-53-7	
Toluene-d8 (S)	103 %.		76-124	1		02/28/12 20:40	2037-26-5	
4-Bromofluorobenzene (S)	92 %.		67-134	1		02/28/12 20:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	19.0 %		0.10	1		02/24/12 11:01		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (8-10) Lab ID: **5058751004** Collected: 02/17/12 10:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	457 mg/kg		64.8	5	02/19/12 12:07	02/21/12 15:41		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/19/12 12:07	02/21/12 15:41	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.94	1		02/21/12 16:34		
Surrogates								
4-Bromofluorobenzene (S)	93 %.		30-163	1		02/21/12 16:34	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.1 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7440-38-2	
Barium	64.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7440-43-9	
Chromium	13.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7440-47-3	
Lead	9.1 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7439-92-1	
Selenium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:40	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.25	1	03/01/12 12:19	03/02/12 15:09	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	99.5 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	83-32-9	
Acenaphthylene	540 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	208-96-8	
Anthracene	1660 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	120-12-7	
Benzo(a)anthracene	3590 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	56-55-3	
Benzo(a)pyrene	3150 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	50-32-8	
Benzo(b)fluoranthene	2050 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	205-99-2	
Benzo(g,h,i)perylene	1330 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	191-24-2	
Benzo(k)fluoranthene	2830 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	207-08-9	
Chrysene	3320 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	218-01-9	
Dibenz(a,h)anthracene	661 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	53-70-3	
Fluoranthene	7870 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	206-44-0	
Fluorene	420 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	86-73-7	
Indeno(1,2,3-cd)pyrene	1350 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	193-39-5	
2-Methylnaphthalene	104 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	91-57-6	
Naphthalene	341 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	91-20-3	
Phenanthrene	5030 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	85-01-8	
Pyrene	6390 ug/kg		64.8	10	02/22/12 12:08	02/23/12 05:01	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54 %.		46-109	10	02/22/12 12:08	02/23/12 05:01	321-60-8	
p-Terphenyl-d14 (S)	60 %.		43-107	10	02/22/12 12:08	02/23/12 05:01	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		99.8	1		02/28/12 21:12	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (8-10) Lab ID: 5058751004 Collected: 02/17/12 10:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		99.8	1		02/28/12 21:12	107-02-8	
Acrylonitrile	ND ug/kg		99.8	1		02/28/12 21:12	107-13-1	
Benzene	ND ug/kg		5.0	1		02/28/12 21:12	71-43-2	
Bromobenzene	ND ug/kg		5.0	1		02/28/12 21:12	108-86-1	
Bromochloromethane	ND ug/kg		5.0	1		02/28/12 21:12	74-97-5	
Bromodichloromethane	ND ug/kg		5.0	1		02/28/12 21:12	75-27-4	
Bromoform	ND ug/kg		5.0	1		02/28/12 21:12	75-25-2	
Bromomethane	ND ug/kg		5.0	1		02/28/12 21:12	74-83-9	
2-Butanone (MEK)	ND ug/kg		24.9	1		02/28/12 21:12	78-93-3	
n-Butylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	104-51-8	
sec-Butylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	135-98-8	
tert-Butylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	98-06-6	
Carbon disulfide	ND ug/kg		10	1		02/28/12 21:12	75-15-0	
Carbon tetrachloride	ND ug/kg		5.0	1		02/28/12 21:12	56-23-5	
Chlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	108-90-7	
Chloroethane	ND ug/kg		5.0	1		02/28/12 21:12	75-00-3	
Chloroform	ND ug/kg		5.0	1		02/28/12 21:12	67-66-3	
Chloromethane	ND ug/kg		5.0	1		02/28/12 21:12	74-87-3	
2-Chlorotoluene	ND ug/kg		5.0	1		02/28/12 21:12	95-49-8	
4-Chlorotoluene	ND ug/kg		5.0	1		02/28/12 21:12	106-43-4	
Dibromochloromethane	ND ug/kg		5.0	1		02/28/12 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.0	1		02/28/12 21:12	106-93-4	
Dibromomethane	ND ug/kg		5.0	1		02/28/12 21:12	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		99.8	1		02/28/12 21:12	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.0	1		02/28/12 21:12	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.0	1		02/28/12 21:12	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.0	1		02/28/12 21:12	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.0	1		02/28/12 21:12	75-35-4	
cis-1,2-Dichloroethene	27.6 ug/kg		5.0	1		02/28/12 21:12	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.0	1		02/28/12 21:12	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.0	1		02/28/12 21:12	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.0	1		02/28/12 21:12	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.0	1		02/28/12 21:12	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.0	1		02/28/12 21:12	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.0	1		02/28/12 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.0	1		02/28/12 21:12	10061-02-6	
Ethylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	100-41-4	
Ethyl methacrylate	ND ug/kg		99.8	1		02/28/12 21:12	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.0	1		02/28/12 21:12	87-68-3	
n-Hexane	ND ug/kg		5.0	1		02/28/12 21:12	110-54-3	
2-Hexanone	ND ug/kg		99.8	1		02/28/12 21:12	591-78-6	
Iodomethane	ND ug/kg		99.8	1		02/28/12 21:12	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.0	1		02/28/12 21:12	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-8 (8-10) Lab ID: 5058751004 Collected: 02/17/12 10:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		5.0	1		02/28/12 21:12	99-87-6	
Methylene Chloride	ND ug/kg		20.0	1		02/28/12 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		24.9	1		02/28/12 21:12	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.0	1		02/28/12 21:12	1634-04-4	
n-Propylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	103-65-1	
Styrene	ND ug/kg		5.0	1		02/28/12 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.0	1		02/28/12 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.0	1		02/28/12 21:12	79-34-5	
Tetrachloroethene	8.1 ug/kg		5.0	1		02/28/12 21:12	127-18-4	
Toluene	ND ug/kg		5.0	1		02/28/12 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.0	1		02/28/12 21:12	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.0	1		02/28/12 21:12	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.0	1		02/28/12 21:12	79-00-5	
Trichloroethene	23.7 ug/kg		5.0	1		02/28/12 21:12	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.0	1		02/28/12 21:12	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.0	1		02/28/12 21:12	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.0	1		02/28/12 21:12	108-67-8	
Vinyl acetate	ND ug/kg		99.8	1		02/28/12 21:12	108-05-4	
Vinyl chloride	ND ug/kg		5.0	1		02/28/12 21:12	75-01-4	
Xylene (Total)	ND ug/kg		10	1		02/28/12 21:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92 %.		71-125	1		02/28/12 21:12	1868-53-7	
Toluene-d8 (S)	97 %.		76-124	1		02/28/12 21:12	2037-26-5	
4-Bromofluorobenzene (S)	98 %.		67-134	1		02/28/12 21:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	22.8 %		0.10	1		02/24/12 11:02		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-9 (0-0.5) Lab ID: **5058751005** Collected: 02/17/12 11:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	7160 mg/kg		637	50	02/19/12 12:07	02/21/12 15:48		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	50	02/19/12 12:07	02/21/12 15:48	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	3.8 mg/kg		2.5	1		02/21/12 16:57		
Surrogates								
4-Bromofluorobenzene (S)	59 %.		30-163	1		02/21/12 16:57	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7440-38-2	
Barium	18.0 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7440-43-9	
Chromium	5.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7440-47-3	
Lead	22.6 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7439-92-1	
Selenium	3.7 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:43	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.25	1	03/01/12 12:19	03/02/12 15:11	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	83-32-9	
Acenaphthylene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	208-96-8	
Anthracene	86.9 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	120-12-7	
Benzo(a)anthracene	182 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	56-55-3	
Benzo(a)pyrene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	50-32-8	
Benzo(b)fluoranthene	127 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	191-24-2	
Benzo(k)fluoranthene	71.4 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	207-08-9	
Chrysene	247 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	53-70-3	
Fluoranthene	483 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	206-44-0	
Fluorene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	193-39-5	
2-Methylnaphthalene	1680 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	91-57-6	
Naphthalene	494 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	91-20-3	2d
Phenanthrene	2090 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	85-01-8	
Pyrene	593 ug/kg		63.7	10	02/22/12 12:08	02/23/12 05:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	31 %.		46-109	10	02/22/12 12:08	02/23/12 05:18	321-60-8	S4
p-Terphenyl-d14 (S)	40 %.		43-107	10	02/22/12 12:08	02/23/12 05:18	1718-51-0	S4
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		209	1		02/28/12 21:44	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-9 (0-0.5) Lab ID: 5058751005 Collected: 02/17/12 11:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		209	1		02/28/12 21:44	107-02-8	
Acrylonitrile	ND ug/kg		209	1		02/28/12 21:44	107-13-1	
Benzene	ND ug/kg		10.5	1		02/28/12 21:44	71-43-2	
Bromobenzene	ND ug/kg		10.5	1		02/28/12 21:44	108-86-1	
Bromochloromethane	ND ug/kg		10.5	1		02/28/12 21:44	74-97-5	
Bromodichloromethane	ND ug/kg		10.5	1		02/28/12 21:44	75-27-4	
Bromoform	ND ug/kg		10.5	1		02/28/12 21:44	75-25-2	
Bromomethane	ND ug/kg		10.5	1		02/28/12 21:44	74-83-9	
2-Butanone (MEK)	ND ug/kg		52.3	1		02/28/12 21:44	78-93-3	
n-Butylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	104-51-8	
sec-Butylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	135-98-8	
tert-Butylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	98-06-6	
Carbon disulfide	ND ug/kg		20.9	1		02/28/12 21:44	75-15-0	
Carbon tetrachloride	ND ug/kg		10.5	1		02/28/12 21:44	56-23-5	
Chlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	108-90-7	
Chloroethane	ND ug/kg		10.5	1		02/28/12 21:44	75-00-3	
Chloroform	ND ug/kg		10.5	1		02/28/12 21:44	67-66-3	
Chloromethane	ND ug/kg		10.5	1		02/28/12 21:44	74-87-3	
2-Chlorotoluene	ND ug/kg		10.5	1		02/28/12 21:44	95-49-8	
4-Chlorotoluene	ND ug/kg		10.5	1		02/28/12 21:44	106-43-4	
Dibromochloromethane	ND ug/kg		10.5	1		02/28/12 21:44	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		10.5	1		02/28/12 21:44	106-93-4	
Dibromomethane	ND ug/kg		10.5	1		02/28/12 21:44	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		209	1		02/28/12 21:44	110-57-6	
Dichlorodifluoromethane	ND ug/kg		10.5	1		02/28/12 21:44	75-71-8	
1,1-Dichloroethane	ND ug/kg		10.5	1		02/28/12 21:44	75-34-3	
1,2-Dichloroethane	ND ug/kg		10.5	1		02/28/12 21:44	107-06-2	
1,1-Dichloroethene	ND ug/kg		10.5	1		02/28/12 21:44	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		10.5	1		02/28/12 21:44	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		10.5	1		02/28/12 21:44	156-60-5	
1,2-Dichloropropane	ND ug/kg		10.5	1		02/28/12 21:44	78-87-5	
1,3-Dichloropropane	ND ug/kg		10.5	1		02/28/12 21:44	142-28-9	
2,2-Dichloropropane	ND ug/kg		10.5	1		02/28/12 21:44	594-20-7	
1,1-Dichloropropene	ND ug/kg		10.5	1		02/28/12 21:44	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		10.5	1		02/28/12 21:44	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		10.5	1		02/28/12 21:44	10061-02-6	
Ethylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	100-41-4	
Ethyl methacrylate	ND ug/kg		209	1		02/28/12 21:44	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		10.5	1		02/28/12 21:44	87-68-3	
n-Hexane	ND ug/kg		10.5	1		02/28/12 21:44	110-54-3	
2-Hexanone	ND ug/kg		209	1		02/28/12 21:44	591-78-6	
Iodomethane	ND ug/kg		209	1		02/28/12 21:44	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		10.5	1		02/28/12 21:44	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Sample: GP-9 (0-0.5) Lab ID: 5058751005 Collected: 02/17/12 11:10 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		10.5	1		02/28/12 21:44	99-87-6	
Methylene Chloride	ND ug/kg		41.8	1		02/28/12 21:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		52.3	1		02/28/12 21:44	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		10.5	1		02/28/12 21:44	1634-04-4	
n-Propylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	103-65-1	
Styrene	ND ug/kg		10.5	1		02/28/12 21:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		10.5	1		02/28/12 21:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		10.5	1		02/28/12 21:44	79-34-5	
Tetrachloroethene	ND ug/kg		10.5	1		02/28/12 21:44	127-18-4	
Toluene	ND ug/kg		10.5	1		02/28/12 21:44	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		10.5	1		02/28/12 21:44	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		10.5	1		02/28/12 21:44	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		10.5	1		02/28/12 21:44	79-00-5	
Trichloroethene	ND ug/kg		10.5	1		02/28/12 21:44	79-01-6	
Trichlorofluoromethane	ND ug/kg		10.5	1		02/28/12 21:44	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		10.5	1		02/28/12 21:44	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		10.5	1		02/28/12 21:44	108-67-8	
Vinyl acetate	ND ug/kg		209	1		02/28/12 21:44	108-05-4	
Vinyl chloride	ND ug/kg		10.5	1		02/28/12 21:44	75-01-4	
Xylene (Total)	ND ug/kg		20.9	1		02/28/12 21:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92 %.		71-125	1		02/28/12 21:44	1868-53-7	
Toluene-d8 (S)	109 %.		76-124	1		02/28/12 21:44	2037-26-5	
4-Bromofluorobenzene (S)	85 %.		67-134	1		02/28/12 21:44	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.6 %		0.10	1		02/24/12 11:02		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-9 (6-8) Lab ID: **5058751006** Collected: 02/17/12 11:15 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		13.1	1	02/19/12 12:07	02/21/12 18:05		
Surrogates								
n-Pentacosane (S)	61 %.		30-126	1	02/19/12 12:07	02/21/12 18:05	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.96	1		02/21/12 17:20		
Surrogates								
4-Bromofluorobenzene (S)	98 %.		30-163	1		02/21/12 17:20	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	12.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7440-38-2	
Barium	92.8 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7440-43-9	
Chromium	20.5 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7440-47-3	
Lead	17.0 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7439-92-1	
Selenium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:45	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	03/01/12 12:19	03/02/12 15:13	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	83-32-9	
Acenaphthylene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	208-96-8	
Anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	207-08-9	
Chrysene	6.9 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	53-70-3	
Fluoranthene	12.2 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	206-44-0	
Fluorene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	91-57-6	
Naphthalene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	91-20-3	
Phenanthrene	11.4 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	85-01-8	
Pyrene	10.9 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:02	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53 %.		46-109	1	02/22/12 12:08	02/23/12 02:02	321-60-8	
p-Terphenyl-d14 (S)	55 %.		43-107	1	02/22/12 12:08	02/23/12 02:02	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		91.1	1		02/28/12 22:16	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-9 (6-8) Lab ID: 5058751006 Collected: 02/17/12 11:15 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		91.1	1		02/28/12 22:16	107-02-8	
Acrylonitrile	ND ug/kg		91.1	1		02/28/12 22:16	107-13-1	
Benzene	ND ug/kg		4.6	1		02/28/12 22:16	71-43-2	
Bromobenzene	ND ug/kg		4.6	1		02/28/12 22:16	108-86-1	
Bromochloromethane	ND ug/kg		4.6	1		02/28/12 22:16	74-97-5	
Bromodichloromethane	ND ug/kg		4.6	1		02/28/12 22:16	75-27-4	
Bromoform	ND ug/kg		4.6	1		02/28/12 22:16	75-25-2	
Bromomethane	ND ug/kg		4.6	1		02/28/12 22:16	74-83-9	
2-Butanone (MEK)	ND ug/kg		22.8	1		02/28/12 22:16	78-93-3	
n-Butylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	104-51-8	
sec-Butylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	135-98-8	
tert-Butylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	98-06-6	
Carbon disulfide	ND ug/kg		9.1	1		02/28/12 22:16	75-15-0	
Carbon tetrachloride	ND ug/kg		4.6	1		02/28/12 22:16	56-23-5	
Chlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	108-90-7	
Chloroethane	ND ug/kg		4.6	1		02/28/12 22:16	75-00-3	
Chloroform	ND ug/kg		4.6	1		02/28/12 22:16	67-66-3	
Chloromethane	ND ug/kg		4.6	1		02/28/12 22:16	74-87-3	
2-Chlorotoluene	ND ug/kg		4.6	1		02/28/12 22:16	95-49-8	
4-Chlorotoluene	ND ug/kg		4.6	1		02/28/12 22:16	106-43-4	
Dibromochloromethane	ND ug/kg		4.6	1		02/28/12 22:16	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.6	1		02/28/12 22:16	106-93-4	
Dibromomethane	ND ug/kg		4.6	1		02/28/12 22:16	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		91.1	1		02/28/12 22:16	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.6	1		02/28/12 22:16	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.6	1		02/28/12 22:16	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.6	1		02/28/12 22:16	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.6	1		02/28/12 22:16	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.6	1		02/28/12 22:16	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.6	1		02/28/12 22:16	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.6	1		02/28/12 22:16	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.6	1		02/28/12 22:16	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.6	1		02/28/12 22:16	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.6	1		02/28/12 22:16	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.6	1		02/28/12 22:16	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.6	1		02/28/12 22:16	10061-02-6	
Ethylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	100-41-4	
Ethyl methacrylate	ND ug/kg		91.1	1		02/28/12 22:16	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.6	1		02/28/12 22:16	87-68-3	
n-Hexane	ND ug/kg		4.6	1		02/28/12 22:16	110-54-3	
2-Hexanone	ND ug/kg		91.1	1		02/28/12 22:16	591-78-6	
Iodomethane	ND ug/kg		91.1	1		02/28/12 22:16	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.6	1		02/28/12 22:16	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-9 (6-8) Lab ID: 5058751006 Collected: 02/17/12 11:15 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		4.6	1		02/28/12 22:16	99-87-6	
Methylene Chloride	ND ug/kg		18.2	1		02/28/12 22:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		22.8	1		02/28/12 22:16	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.6	1		02/28/12 22:16	1634-04-4	
n-Propylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	103-65-1	
Styrene	ND ug/kg		4.6	1		02/28/12 22:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.6	1		02/28/12 22:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.6	1		02/28/12 22:16	79-34-5	
Tetrachloroethene	ND ug/kg		4.6	1		02/28/12 22:16	127-18-4	
Toluene	ND ug/kg		4.6	1		02/28/12 22:16	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.6	1		02/28/12 22:16	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.6	1		02/28/12 22:16	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.6	1		02/28/12 22:16	79-00-5	
Trichloroethene	ND ug/kg		4.6	1		02/28/12 22:16	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.6	1		02/28/12 22:16	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.6	1		02/28/12 22:16	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.6	1		02/28/12 22:16	108-67-8	
Vinyl acetate	ND ug/kg		91.1	1		02/28/12 22:16	108-05-4	
Vinyl chloride	ND ug/kg		4.6	1		02/28/12 22:16	75-01-4	
Xylene (Total)	ND ug/kg		9.1	1		02/28/12 22:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90 %.		71-125	1		02/28/12 22:16	1868-53-7	
Toluene-d8 (S)	98 %.		76-124	1		02/28/12 22:16	2037-26-5	
4-Bromofluorobenzene (S)	98 %.		67-134	1		02/28/12 22:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.9 %		0.10	1		02/24/12 11:02		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-10 (0-0.5) Lab ID: **5058751007** Collected: 02/17/12 11:50 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	723 mg/kg		65.9	5	02/19/12 12:07	02/21/12 16:50		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/19/12 12:07	02/21/12 16:50	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		2.5	1		02/21/12 18:05		
Surrogates								
4-Bromofluorobenzene (S)	68 %.		30-163	1		02/21/12 18:05	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	32.6 mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7440-38-2	
Barium	30.8 mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7440-39-3	
Cadmium	ND mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7440-43-9	
Chromium	9.6 mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7440-47-3	
Lead	82.1 mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7439-92-1	
Selenium	5.4 mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7782-49-2	
Silver	ND mg/kg		2.4	1	02/24/12 12:40	02/28/12 08:47	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.28	1	03/01/12 12:19	03/02/12 15:19	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	83-32-9	
Acenaphthylene	ND ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	208-96-8	
Anthracene	130 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	120-12-7	
Benzo(a)anthracene	240 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	56-55-3	
Benzo(a)pyrene	104 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	50-32-8	
Benzo(b)fluoranthene	185 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	205-99-2	
Benzo(g,h,i)perylene	85.0 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	191-24-2	
Benzo(k)fluoranthene	87.2 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	207-08-9	
Chrysene	377 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	53-70-3	
Fluoranthene	458 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	206-44-0	
Fluorene	114 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	193-39-5	
2-Methylnaphthalene	3560 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	91-57-6	
Naphthalene	2290 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	91-20-3	2d
Phenanthrene	2150 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	85-01-8	
Pyrene	465 ug/kg		65.9	10	02/22/12 12:08	02/23/12 05:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63 %.		46-109	10	02/22/12 12:08	02/23/12 05:36	321-60-8	
p-Terphenyl-d14 (S)	69 %.		43-107	10	02/22/12 12:08	02/23/12 05:36	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		235	1		02/28/12 22:48	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-10 (0-0.5) Lab ID: 5058751007 Collected: 02/17/12 11:50 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		235	1		02/28/12 22:48	107-02-8	
Acrylonitrile	ND ug/kg		235	1		02/28/12 22:48	107-13-1	
Benzene	ND ug/kg		11.8	1		02/28/12 22:48	71-43-2	
Bromobenzene	ND ug/kg		11.8	1		02/28/12 22:48	108-86-1	
Bromochloromethane	ND ug/kg		11.8	1		02/28/12 22:48	74-97-5	
Bromodichloromethane	ND ug/kg		11.8	1		02/28/12 22:48	75-27-4	
Bromoform	ND ug/kg		11.8	1		02/28/12 22:48	75-25-2	
Bromomethane	ND ug/kg		11.8	1		02/28/12 22:48	74-83-9	
2-Butanone (MEK)	ND ug/kg		58.9	1		02/28/12 22:48	78-93-3	
n-Butylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	104-51-8	
sec-Butylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	135-98-8	
tert-Butylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	98-06-6	
Carbon disulfide	ND ug/kg		23.5	1		02/28/12 22:48	75-15-0	
Carbon tetrachloride	ND ug/kg		11.8	1		02/28/12 22:48	56-23-5	
Chlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	108-90-7	
Chloroethane	ND ug/kg		11.8	1		02/28/12 22:48	75-00-3	
Chloroform	ND ug/kg		11.8	1		02/28/12 22:48	67-66-3	
Chloromethane	ND ug/kg		11.8	1		02/28/12 22:48	74-87-3	
2-Chlorotoluene	ND ug/kg		11.8	1		02/28/12 22:48	95-49-8	
4-Chlorotoluene	ND ug/kg		11.8	1		02/28/12 22:48	106-43-4	
Dibromochloromethane	ND ug/kg		11.8	1		02/28/12 22:48	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		11.8	1		02/28/12 22:48	106-93-4	
Dibromomethane	ND ug/kg		11.8	1		02/28/12 22:48	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		235	1		02/28/12 22:48	110-57-6	
Dichlorodifluoromethane	ND ug/kg		11.8	1		02/28/12 22:48	75-71-8	
1,1-Dichloroethane	ND ug/kg		11.8	1		02/28/12 22:48	75-34-3	
1,2-Dichloroethane	ND ug/kg		11.8	1		02/28/12 22:48	107-06-2	
1,1-Dichloroethene	ND ug/kg		11.8	1		02/28/12 22:48	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		11.8	1		02/28/12 22:48	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		11.8	1		02/28/12 22:48	156-60-5	
1,2-Dichloropropane	ND ug/kg		11.8	1		02/28/12 22:48	78-87-5	
1,3-Dichloropropane	ND ug/kg		11.8	1		02/28/12 22:48	142-28-9	
2,2-Dichloropropane	ND ug/kg		11.8	1		02/28/12 22:48	594-20-7	
1,1-Dichloropropene	ND ug/kg		11.8	1		02/28/12 22:48	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		11.8	1		02/28/12 22:48	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		11.8	1		02/28/12 22:48	10061-02-6	
Ethylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	100-41-4	
Ethyl methacrylate	ND ug/kg		235	1		02/28/12 22:48	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		11.8	1		02/28/12 22:48	87-68-3	
n-Hexane	ND ug/kg		11.8	1		02/28/12 22:48	110-54-3	
2-Hexanone	ND ug/kg		235	1		02/28/12 22:48	591-78-6	
Iodomethane	ND ug/kg		235	1		02/28/12 22:48	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		11.8	1		02/28/12 22:48	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Sample: GP-10 (0-0.5) Lab ID: 5058751007 Collected: 02/17/12 11:50 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		11.8	1		02/28/12 22:48	99-87-6	
Methylene Chloride	ND ug/kg		47.1	1		02/28/12 22:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		58.9	1		02/28/12 22:48	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		11.8	1		02/28/12 22:48	1634-04-4	
n-Propylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	103-65-1	
Styrene	ND ug/kg		11.8	1		02/28/12 22:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		11.8	1		02/28/12 22:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		11.8	1		02/28/12 22:48	79-34-5	
Tetrachloroethene	ND ug/kg		11.8	1		02/28/12 22:48	127-18-4	
Toluene	ND ug/kg		11.8	1		02/28/12 22:48	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		11.8	1		02/28/12 22:48	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		11.8	1		02/28/12 22:48	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		11.8	1		02/28/12 22:48	79-00-5	
Trichloroethene	ND ug/kg		11.8	1		02/28/12 22:48	79-01-6	
Trichlorofluoromethane	ND ug/kg		11.8	1		02/28/12 22:48	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		11.8	1		02/28/12 22:48	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		11.8	1		02/28/12 22:48	108-67-8	
Vinyl acetate	ND ug/kg		235	1		02/28/12 22:48	108-05-4	
Vinyl chloride	ND ug/kg		11.8	1		02/28/12 22:48	75-01-4	
Xylene (Total)	ND ug/kg		23.5	1		02/28/12 22:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	88 %.		71-125	1		02/28/12 22:48	1868-53-7	
Toluene-d8 (S)	103 %.		76-124	1		02/28/12 22:48	2037-26-5	
4-Bromofluorobenzene (S)	91 %.		67-134	1		02/28/12 22:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.2 %		0.10	1		02/24/12 11:02		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-10 (6-8) Lab ID: **5058751008** Collected: 02/17/12 11:55 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.4	1	02/19/12 12:07	02/21/12 18:12		
Surrogates								
n-Pentacosane (S)	74 %.		30-126	1	02/19/12 12:07	02/21/12 18:12	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.98	1		02/21/12 18:28		
Surrogates								
4-Bromofluorobenzene (S)	93 %.		30-163	1		02/21/12 18:28	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.8 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7440-38-2	
Barium	82.2 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7440-39-3	
Cadmium	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7440-43-9	
Chromium	20.5 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7440-47-3	
Lead	11.0 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7439-92-1	
Selenium	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7782-49-2	
Silver	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:49	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.24	1	03/01/12 12:19	03/02/12 15:21	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	83-32-9	
Acenaphthylene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	208-96-8	
Anthracene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	207-08-9	
Chrysene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	53-70-3	
Fluoranthene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	206-44-0	
Fluorene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	91-57-6	
Naphthalene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	91-20-3	
Phenanthrene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	85-01-8	
Pyrene	ND ug/kg		6.2	1	02/22/12 12:08	02/23/12 00:33	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	70 %.		46-109	1	02/22/12 12:08	02/23/12 00:33	321-60-8	
p-Terphenyl-d14 (S)	80 %.		43-107	1	02/22/12 12:08	02/23/12 00:33	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		96.3	1		02/29/12 02:33	67-64-1	

Date: 03/22/2012 09:34 AM

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-10 (6-8) Lab ID: **5058751008** Collected: 02/17/12 11:55 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		96.3	1		02/29/12 02:33	107-02-8	
Acrylonitrile	ND ug/kg		96.3	1		02/29/12 02:33	107-13-1	
Benzene	ND ug/kg		4.8	1		02/29/12 02:33	71-43-2	
Bromobenzene	ND ug/kg		4.8	1		02/29/12 02:33	108-86-1	
Bromochloromethane	ND ug/kg		4.8	1		02/29/12 02:33	74-97-5	
Bromodichloromethane	ND ug/kg		4.8	1		02/29/12 02:33	75-27-4	
Bromoform	ND ug/kg		4.8	1		02/29/12 02:33	75-25-2	
Bromomethane	ND ug/kg		4.8	1		02/29/12 02:33	74-83-9	
2-Butanone (MEK)	ND ug/kg		24.1	1		02/29/12 02:33	78-93-3	
n-Butylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	104-51-8	
sec-Butylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	135-98-8	
tert-Butylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	98-06-6	
Carbon disulfide	ND ug/kg		9.6	1		02/29/12 02:33	75-15-0	
Carbon tetrachloride	ND ug/kg		4.8	1		02/29/12 02:33	56-23-5	
Chlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	108-90-7	
Chloroethane	ND ug/kg		4.8	1		02/29/12 02:33	75-00-3	
Chloroform	ND ug/kg		4.8	1		02/29/12 02:33	67-66-3	
Chloromethane	ND ug/kg		4.8	1		02/29/12 02:33	74-87-3	
2-Chlorotoluene	ND ug/kg		4.8	1		02/29/12 02:33	95-49-8	
4-Chlorotoluene	ND ug/kg		4.8	1		02/29/12 02:33	106-43-4	
Dibromochloromethane	ND ug/kg		4.8	1		02/29/12 02:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.8	1		02/29/12 02:33	106-93-4	
Dibromomethane	ND ug/kg		4.8	1		02/29/12 02:33	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		96.3	1		02/29/12 02:33	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.8	1		02/29/12 02:33	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.8	1		02/29/12 02:33	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.8	1		02/29/12 02:33	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.8	1		02/29/12 02:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.8	1		02/29/12 02:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.8	1		02/29/12 02:33	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.8	1		02/29/12 02:33	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.8	1		02/29/12 02:33	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.8	1		02/29/12 02:33	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.8	1		02/29/12 02:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.8	1		02/29/12 02:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.8	1		02/29/12 02:33	10061-02-6	
Ethylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	100-41-4	
Ethyl methacrylate	ND ug/kg		96.3	1		02/29/12 02:33	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.8	1		02/29/12 02:33	87-68-3	
n-Hexane	ND ug/kg		4.8	1		02/29/12 02:33	110-54-3	
2-Hexanone	ND ug/kg		96.3	1		02/29/12 02:33	591-78-6	
Iodomethane	ND ug/kg		96.3	1		02/29/12 02:33	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.8	1		02/29/12 02:33	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-10 (6-8) Lab ID: 5058751008 Collected: 02/17/12 11:55 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		4.8	1		02/29/12 02:33	99-87-6	
Methylene Chloride	ND ug/kg		19.3	1		02/29/12 02:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		24.1	1		02/29/12 02:33	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.8	1		02/29/12 02:33	1634-04-4	
n-Propylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	103-65-1	
Styrene	ND ug/kg		4.8	1		02/29/12 02:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.8	1		02/29/12 02:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.8	1		02/29/12 02:33	79-34-5	
Tetrachloroethene	ND ug/kg		4.8	1		02/29/12 02:33	127-18-4	
Toluene	ND ug/kg		4.8	1		02/29/12 02:33	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.8	1		02/29/12 02:33	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.8	1		02/29/12 02:33	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.8	1		02/29/12 02:33	79-00-5	
Trichloroethene	ND ug/kg		4.8	1		02/29/12 02:33	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.8	1		02/29/12 02:33	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.8	1		02/29/12 02:33	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.8	1		02/29/12 02:33	108-67-8	
Vinyl acetate	ND ug/kg		96.3	1		02/29/12 02:33	108-05-4	
Vinyl chloride	ND ug/kg		4.8	1		02/29/12 02:33	75-01-4	
Xylene (Total)	ND ug/kg		9.6	1		02/29/12 02:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93 %.		71-125	1		02/29/12 02:33	1868-53-7	
Toluene-d8 (S)	96 %.		76-124	1		02/29/12 02:33	2037-26-5	
4-Bromofluorobenzene (S)	100 %.		67-134	1		02/29/12 02:33	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.3 %		0.10	1		02/24/12 11:07		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (0-0.5) Lab ID: **5058751009** Collected: 02/17/12 12:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	445 mg/kg		62.6	5	02/22/12 12:40	02/23/12 17:32		
Surrogates								
n-Pentacosane (S)	0 %.		30-126	5	02/22/12 12:40	02/23/12 17:32	629-99-2	S4
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		1.2	1		02/21/12 18:51		
Surrogates								
4-Bromofluorobenzene (S)	91 %.		30-163	1		02/21/12 18:51	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.4 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7440-38-2	
Barium	85.2 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7440-39-3	
Cadmium	2.5 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7440-43-9	
Chromium	29.1 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7440-47-3	
Lead	290 mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7439-92-1	
Selenium	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7782-49-2	
Silver	ND mg/kg		2.2	1	02/24/12 12:40	02/28/12 08:51	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.25	1	03/01/12 12:19	03/02/12 15:23	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	6.4 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	83-32-9	
Acenaphthylene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	208-96-8	
Anthracene	31.7 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	120-12-7	
Benzo(a)anthracene	65.6 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	56-55-3	
Benzo(a)pyrene	50.2 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	50-32-8	
Benzo(b)fluoranthene	68.4 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	205-99-2	
Benzo(g,h,i)perylene	45.8 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	191-24-2	
Benzo(k)fluoranthene	40.9 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	207-08-9	
Chrysene	98.5 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	218-01-9	
Dibenz(a,h)anthracene	14.1 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	53-70-3	
Fluoranthene	148 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	206-44-0	
Fluorene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	86-73-7	
Indeno(1,2,3-cd)pyrene	27.9 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	193-39-5	
2-Methylnaphthalene	361 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	91-57-6	
Naphthalene	116 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	91-20-3	
Phenanthrene	414 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	85-01-8	
Pyrene	170 ug/kg		6.3	1	02/22/12 12:08	02/23/12 15:26	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	68 %.		46-109	1	02/22/12 12:08	02/23/12 15:26	321-60-8	
p-Terphenyl-d14 (S)	79 %.		43-107	1	02/22/12 12:08	02/23/12 15:26	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		110	1		02/29/12 03:05	67-64-1	

Date: 03/22/2012 09:34 AM

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (0-0.5) Lab ID: 5058751009 Collected: 02/17/12 12:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		110	1		02/29/12 03:05	107-02-8	
Acrylonitrile	ND ug/kg		110	1		02/29/12 03:05	107-13-1	
Benzene	ND ug/kg		5.5	1		02/29/12 03:05	71-43-2	
Bromobenzene	ND ug/kg		5.5	1		02/29/12 03:05	108-86-1	
Bromochloromethane	ND ug/kg		5.5	1		02/29/12 03:05	74-97-5	
Bromodichloromethane	ND ug/kg		5.5	1		02/29/12 03:05	75-27-4	
Bromoform	ND ug/kg		5.5	1		02/29/12 03:05	75-25-2	
Bromomethane	ND ug/kg		5.5	1		02/29/12 03:05	74-83-9	
2-Butanone (MEK)	ND ug/kg		27.5	1		02/29/12 03:05	78-93-3	
n-Butylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	104-51-8	
sec-Butylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	135-98-8	
tert-Butylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	98-06-6	
Carbon disulfide	ND ug/kg		11.0	1		02/29/12 03:05	75-15-0	
Carbon tetrachloride	ND ug/kg		5.5	1		02/29/12 03:05	56-23-5	
Chlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	108-90-7	
Chloroethane	ND ug/kg		5.5	1		02/29/12 03:05	75-00-3	
Chloroform	ND ug/kg		5.5	1		02/29/12 03:05	67-66-3	
Chloromethane	ND ug/kg		5.5	1		02/29/12 03:05	74-87-3	
2-Chlorotoluene	ND ug/kg		5.5	1		02/29/12 03:05	95-49-8	
4-Chlorotoluene	ND ug/kg		5.5	1		02/29/12 03:05	106-43-4	
Dibromochloromethane	ND ug/kg		5.5	1		02/29/12 03:05	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		5.5	1		02/29/12 03:05	106-93-4	
Dibromomethane	ND ug/kg		5.5	1		02/29/12 03:05	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		110	1		02/29/12 03:05	110-57-6	
Dichlorodifluoromethane	ND ug/kg		5.5	1		02/29/12 03:05	75-71-8	
1,1-Dichloroethane	ND ug/kg		5.5	1		02/29/12 03:05	75-34-3	
1,2-Dichloroethane	ND ug/kg		5.5	1		02/29/12 03:05	107-06-2	
1,1-Dichloroethene	ND ug/kg		5.5	1		02/29/12 03:05	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		5.5	1		02/29/12 03:05	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		5.5	1		02/29/12 03:05	156-60-5	
1,2-Dichloropropane	ND ug/kg		5.5	1		02/29/12 03:05	78-87-5	
1,3-Dichloropropane	ND ug/kg		5.5	1		02/29/12 03:05	142-28-9	
2,2-Dichloropropane	ND ug/kg		5.5	1		02/29/12 03:05	594-20-7	
1,1-Dichloropropene	ND ug/kg		5.5	1		02/29/12 03:05	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		5.5	1		02/29/12 03:05	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		5.5	1		02/29/12 03:05	10061-02-6	
Ethylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	100-41-4	
Ethyl methacrylate	ND ug/kg		110	1		02/29/12 03:05	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		5.5	1		02/29/12 03:05	87-68-3	
n-Hexane	ND ug/kg		5.5	1		02/29/12 03:05	110-54-3	
2-Hexanone	ND ug/kg		110	1		02/29/12 03:05	591-78-6	
Iodomethane	ND ug/kg		110	1		02/29/12 03:05	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		5.5	1		02/29/12 03:05	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (0-0.5) **Lab ID: 5058751009** Collected: 02/17/12 12:40 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/kg		5.5	1		02/29/12 03:05	99-87-6	
Methylene Chloride	ND ug/kg		22.0	1		02/29/12 03:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		27.5	1		02/29/12 03:05	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		5.5	1		02/29/12 03:05	1634-04-4	
n-Propylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	103-65-1	
Styrene	ND ug/kg		5.5	1		02/29/12 03:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		5.5	1		02/29/12 03:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		5.5	1		02/29/12 03:05	79-34-5	
Tetrachloroethene	ND ug/kg		5.5	1		02/29/12 03:05	127-18-4	
Toluene	ND ug/kg		5.5	1		02/29/12 03:05	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		5.5	1		02/29/12 03:05	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		5.5	1		02/29/12 03:05	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		5.5	1		02/29/12 03:05	79-00-5	
Trichloroethene	ND ug/kg		5.5	1		02/29/12 03:05	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.5	1		02/29/12 03:05	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		5.5	1		02/29/12 03:05	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		5.5	1		02/29/12 03:05	108-67-8	
Vinyl acetate	ND ug/kg		110	1		02/29/12 03:05	108-05-4	
Vinyl chloride	ND ug/kg		5.5	1		02/29/12 03:05	75-01-4	
Xylene (Total)	ND ug/kg		11.0	1		02/29/12 03:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93 %.		71-125	1		02/29/12 03:05	1868-53-7	
Toluene-d8 (S)	101 %.		76-124	1		02/29/12 03:05	2037-26-5	
4-Bromofluorobenzene (S)	96 %.		67-134	1		02/29/12 03:05	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	20.1 %		0.10	1		02/24/12 11:07		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (2-4) Lab ID: **5058751010** Collected: 02/17/12 12:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		12.7	1	02/22/12 12:40	02/23/12 02:19		
Surrogates								
n-Pentacosane (S)	69 %.		30-126	1	02/22/12 12:40	02/23/12 02:19	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.98	1		02/21/12 19:14		
Surrogates								
4-Bromofluorobenzene (S)	98 %.		30-163	1		02/21/12 19:14	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.6 mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7440-38-2	
Barium	86.8 mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7440-39-3	
Cadmium	ND mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7440-43-9	
Chromium	17.4 mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7440-47-3	
Lead	11.7 mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7439-92-1	
Selenium	ND mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7782-49-2	
Silver	ND mg/kg		2.5	1	02/24/12 12:40	02/28/12 08:54	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.27	1	03/01/12 12:19	03/02/12 15:25	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	83-32-9	
Acenaphthylene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	208-96-8	
Anthracene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	56-55-3	
Benzo(a)pyrene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	207-08-9	
Chrysene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	53-70-3	
Fluoranthene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	206-44-0	
Fluorene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	91-57-6	
Naphthalene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	91-20-3	
Phenanthrene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	85-01-8	
Pyrene	ND ug/kg		6.3	1	02/22/12 12:08	02/23/12 01:44	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57 %.		46-109	1	02/22/12 12:08	02/23/12 01:44	321-60-8	
p-Terphenyl-d14 (S)	63 %.		43-107	1	02/22/12 12:08	02/23/12 01:44	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		95.9	1		02/29/12 03:37	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (2-4) Lab ID: 5058751010 Collected: 02/17/12 12:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		95.9	1		02/29/12 03:37	107-02-8	
Acrylonitrile	ND ug/kg		95.9	1		02/29/12 03:37	107-13-1	
Benzene	ND ug/kg		4.8	1		02/29/12 03:37	71-43-2	
Bromobenzene	ND ug/kg		4.8	1		02/29/12 03:37	108-86-1	
Bromochloromethane	ND ug/kg		4.8	1		02/29/12 03:37	74-97-5	
Bromodichloromethane	ND ug/kg		4.8	1		02/29/12 03:37	75-27-4	
Bromoform	ND ug/kg		4.8	1		02/29/12 03:37	75-25-2	
Bromomethane	ND ug/kg		4.8	1		02/29/12 03:37	74-83-9	
2-Butanone (MEK)	ND ug/kg		24.0	1		02/29/12 03:37	78-93-3	
n-Butylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	104-51-8	
sec-Butylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	135-98-8	
tert-Butylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	98-06-6	
Carbon disulfide	ND ug/kg		9.6	1		02/29/12 03:37	75-15-0	
Carbon tetrachloride	ND ug/kg		4.8	1		02/29/12 03:37	56-23-5	
Chlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	108-90-7	
Chloroethane	ND ug/kg		4.8	1		02/29/12 03:37	75-00-3	
Chloroform	ND ug/kg		4.8	1		02/29/12 03:37	67-66-3	
Chloromethane	ND ug/kg		4.8	1		02/29/12 03:37	74-87-3	
2-Chlorotoluene	ND ug/kg		4.8	1		02/29/12 03:37	95-49-8	
4-Chlorotoluene	ND ug/kg		4.8	1		02/29/12 03:37	106-43-4	
Dibromochloromethane	ND ug/kg		4.8	1		02/29/12 03:37	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.8	1		02/29/12 03:37	106-93-4	
Dibromomethane	ND ug/kg		4.8	1		02/29/12 03:37	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		95.9	1		02/29/12 03:37	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.8	1		02/29/12 03:37	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.8	1		02/29/12 03:37	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.8	1		02/29/12 03:37	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.8	1		02/29/12 03:37	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.8	1		02/29/12 03:37	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.8	1		02/29/12 03:37	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.8	1		02/29/12 03:37	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.8	1		02/29/12 03:37	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.8	1		02/29/12 03:37	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.8	1		02/29/12 03:37	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.8	1		02/29/12 03:37	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.8	1		02/29/12 03:37	10061-02-6	
Ethylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	100-41-4	
Ethyl methacrylate	ND ug/kg		95.9	1		02/29/12 03:37	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.8	1		02/29/12 03:37	87-68-3	
n-Hexane	ND ug/kg		4.8	1		02/29/12 03:37	110-54-3	
2-Hexanone	ND ug/kg		95.9	1		02/29/12 03:37	591-78-6	
Iodomethane	ND ug/kg		95.9	1		02/29/12 03:37	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.8	1		02/29/12 03:37	98-82-8	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: GP-11 (2-4) Lab ID: **5058751010** Collected: 02/17/12 12:45 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		4.8	1		02/29/12 03:37	99-87-6	
Methylene Chloride	ND ug/kg		19.2	1		02/29/12 03:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		24.0	1		02/29/12 03:37	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.8	1		02/29/12 03:37	1634-04-4	
n-Propylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	103-65-1	
Styrene	ND ug/kg		4.8	1		02/29/12 03:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.8	1		02/29/12 03:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.8	1		02/29/12 03:37	79-34-5	
Tetrachloroethene	ND ug/kg		4.8	1		02/29/12 03:37	127-18-4	
Toluene	ND ug/kg		4.8	1		02/29/12 03:37	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.8	1		02/29/12 03:37	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.8	1		02/29/12 03:37	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.8	1		02/29/12 03:37	79-00-5	
Trichloroethene	ND ug/kg		4.8	1		02/29/12 03:37	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.8	1		02/29/12 03:37	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.8	1		02/29/12 03:37	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.8	1		02/29/12 03:37	108-67-8	
Vinyl acetate	ND ug/kg		95.9	1		02/29/12 03:37	108-05-4	
Vinyl chloride	ND ug/kg		4.8	1		02/29/12 03:37	75-01-4	
Xylene (Total)	ND ug/kg		9.6	1		02/29/12 03:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90 %.		71-125	1		02/29/12 03:37	1868-53-7	
Toluene-d8 (S)	98 %.		76-124	1		02/29/12 03:37	2037-26-5	
4-Bromofluorobenzene (S)	97 %.		67-134	1		02/29/12 03:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.1 %		0.10	1		02/24/12 11:07		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: DUPLICATE Lab ID: **5058751011** Collected: 02/17/12 08:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
High End Organics (C8-C34)	ND mg/kg		13.2	1	02/22/12 12:40	02/23/12 02:26		
Surrogates								
n-Pentacosane (S)	57 %.		30-126	1	02/22/12 12:40	02/23/12 02:26	629-99-2	
8015 GRO 5035 Analytical Method: EPA 8015 Mod Pur								
Gasoline Range Organics	ND mg/kg		0.98	1		02/21/12 19:37		
Surrogates								
4-Bromofluorobenzene (S)	92 %.		30-163	1		02/21/12 19:37	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	12.4 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7440-38-2	
Barium	84.5 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7440-39-3	
Cadmium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7440-43-9	
Chromium	20.7 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7440-47-3	
Lead	16.3 mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7439-92-1	
Selenium	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7782-49-2	
Silver	ND mg/kg		2.3	1	02/24/12 12:40	02/28/12 08:56	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.28	1	03/01/12 12:19	03/02/12 15:27	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	83-32-9	
Acenaphthylene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	208-96-8	
Anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	120-12-7	
Benzo(a)anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	56-55-3	
Benzo(a)pyrene	6.6 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	50-32-8	
Benzo(b)fluoranthene	13.0 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	205-99-2	
Benzo(g,h,i)perylene	9.0 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	191-24-2	
Benzo(k)fluoranthene	7.9 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	207-08-9	
Chrysene	10.3 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	53-70-3	
Fluoranthene	12.0 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	206-44-0	
Fluorene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	86-73-7	
Indeno(1,2,3-cd)pyrene	7.9 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	193-39-5	
2-Methylnaphthalene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	91-57-6	
Naphthalene	ND ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	91-20-3	
Phenanthrene	11.1 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	85-01-8	
Pyrene	11.9 ug/kg		6.6	1	02/22/12 12:08	02/23/12 02:20	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57 %.		46-109	1	02/22/12 12:08	02/23/12 02:20	321-60-8	
p-Terphenyl-d14 (S)	65 %.		43-107	1	02/22/12 12:08	02/23/12 02:20	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND ug/kg		97.7	1		02/29/12 04:10	67-64-1	

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: DUPLICATE Lab ID: **5058751011** Collected: 02/17/12 08:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acrolein	ND ug/kg		97.7	1		02/29/12 04:10	107-02-8	
Acrylonitrile	ND ug/kg		97.7	1		02/29/12 04:10	107-13-1	
Benzene	ND ug/kg		4.9	1		02/29/12 04:10	71-43-2	
Bromobenzene	ND ug/kg		4.9	1		02/29/12 04:10	108-86-1	
Bromochloromethane	ND ug/kg		4.9	1		02/29/12 04:10	74-97-5	
Bromodichloromethane	ND ug/kg		4.9	1		02/29/12 04:10	75-27-4	
Bromoform	ND ug/kg		4.9	1		02/29/12 04:10	75-25-2	
Bromomethane	ND ug/kg		4.9	1		02/29/12 04:10	74-83-9	
2-Butanone (MEK)	ND ug/kg		24.4	1		02/29/12 04:10	78-93-3	
n-Butylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	104-51-8	
sec-Butylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	135-98-8	
tert-Butylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	98-06-6	
Carbon disulfide	ND ug/kg		9.8	1		02/29/12 04:10	75-15-0	
Carbon tetrachloride	ND ug/kg		4.9	1		02/29/12 04:10	56-23-5	
Chlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	108-90-7	
Chloroethane	ND ug/kg		4.9	1		02/29/12 04:10	75-00-3	
Chloroform	ND ug/kg		4.9	1		02/29/12 04:10	67-66-3	
Chloromethane	ND ug/kg		4.9	1		02/29/12 04:10	74-87-3	
2-Chlorotoluene	ND ug/kg		4.9	1		02/29/12 04:10	95-49-8	
4-Chlorotoluene	ND ug/kg		4.9	1		02/29/12 04:10	106-43-4	
Dibromochloromethane	ND ug/kg		4.9	1		02/29/12 04:10	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		4.9	1		02/29/12 04:10	106-93-4	
Dibromomethane	ND ug/kg		4.9	1		02/29/12 04:10	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		97.7	1		02/29/12 04:10	110-57-6	
Dichlorodifluoromethane	ND ug/kg		4.9	1		02/29/12 04:10	75-71-8	
1,1-Dichloroethane	ND ug/kg		4.9	1		02/29/12 04:10	75-34-3	
1,2-Dichloroethane	ND ug/kg		4.9	1		02/29/12 04:10	107-06-2	
1,1-Dichloroethene	ND ug/kg		4.9	1		02/29/12 04:10	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		4.9	1		02/29/12 04:10	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		4.9	1		02/29/12 04:10	156-60-5	
1,2-Dichloropropane	ND ug/kg		4.9	1		02/29/12 04:10	78-87-5	
1,3-Dichloropropane	ND ug/kg		4.9	1		02/29/12 04:10	142-28-9	
2,2-Dichloropropane	ND ug/kg		4.9	1		02/29/12 04:10	594-20-7	
1,1-Dichloropropene	ND ug/kg		4.9	1		02/29/12 04:10	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		4.9	1		02/29/12 04:10	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		4.9	1		02/29/12 04:10	10061-02-6	
Ethylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	100-41-4	
Ethyl methacrylate	ND ug/kg		97.7	1		02/29/12 04:10	97-63-2	
Hexachloro-1,3-butadiene	ND ug/kg		4.9	1		02/29/12 04:10	87-68-3	
n-Hexane	ND ug/kg		4.9	1		02/29/12 04:10	110-54-3	
2-Hexanone	ND ug/kg		97.7	1		02/29/12 04:10	591-78-6	
Iodomethane	ND ug/kg		97.7	1		02/29/12 04:10	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		4.9	1		02/29/12 04:10	98-82-8	

Date: 03/22/2012 09:34 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: DUPLICATE Lab ID: **5058751011** Collected: 02/17/12 08:00 Received: 02/17/12 17:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND ug/kg		4.9	1		02/29/12 04:10	99-87-6	
Methylene Chloride	ND ug/kg		19.5	1		02/29/12 04:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		24.4	1		02/29/12 04:10	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		4.9	1		02/29/12 04:10	1634-04-4	
n-Propylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	103-65-1	
Styrene	ND ug/kg		4.9	1		02/29/12 04:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		4.9	1		02/29/12 04:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		4.9	1		02/29/12 04:10	79-34-5	
Tetrachloroethene	ND ug/kg		4.9	1		02/29/12 04:10	127-18-4	
Toluene	ND ug/kg		4.9	1		02/29/12 04:10	108-88-3	
1,2,3-Trichlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	87-61-6	
1,2,4-Trichlorobenzene	ND ug/kg		4.9	1		02/29/12 04:10	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		4.9	1		02/29/12 04:10	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		4.9	1		02/29/12 04:10	79-00-5	
Trichloroethene	ND ug/kg		4.9	1		02/29/12 04:10	79-01-6	
Trichlorofluoromethane	ND ug/kg		4.9	1		02/29/12 04:10	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		4.9	1		02/29/12 04:10	96-18-4	
1,2,4-Trimethylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		4.9	1		02/29/12 04:10	108-67-8	
Vinyl acetate	ND ug/kg		97.7	1		02/29/12 04:10	108-05-4	
Vinyl chloride	ND ug/kg		4.9	1		02/29/12 04:10	75-01-4	
Xylene (Total)	ND ug/kg		9.8	1		02/29/12 04:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92 %.		71-125	1		02/29/12 04:10	1868-53-7	
Toluene-d8 (S)	98 %.		76-124	1		02/29/12 04:10	2037-26-5	
4-Bromofluorobenzene (S)	98 %.		67-134	1		02/29/12 04:10	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.1 %		0.10	1		02/24/12 11:07		

ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: TRIP BLANK	Lab ID: 5058751012	Collected: 02/17/12 08:00	Received: 02/17/12 17:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/29/12 04:42	67-64-1	
Acrolein	ND ug/L		50.0	1		02/29/12 04:42	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/29/12 04:42	107-13-1	
Benzene	ND ug/L		5.0	1		02/29/12 04:42	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/29/12 04:42	108-86-1	
Bromoform	ND ug/L		5.0	1		02/29/12 04:42	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/29/12 04:42	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/29/12 04:42	75-25-2	
Bromoform	ND ug/L		5.0	1		02/29/12 04:42	74-83-9	
Bromomethane	ND ug/L		5.0	1		02/29/12 04:42	78-93-3	
2-Butanone (MEK)	ND ug/L		25.0	1		02/29/12 04:42	104-51-8	
n-Butylbenzene	ND ug/L		5.0	1		02/29/12 04:42	135-98-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/29/12 04:42	98-06-6	
tert-Butylbenzene	ND ug/L		5.0	1		02/29/12 04:42	75-15-0	
Carbon disulfide	ND ug/L		10.0	1		02/29/12 04:42	56-23-5	
Carbon tetrachloride	ND ug/L		5.0	1		02/29/12 04:42	108-90-7	
Chlorobenzene	ND ug/L		5.0	1		02/29/12 04:42	75-00-3	
Chloroethane	ND ug/L		5.0	1		02/29/12 04:42	67-66-3	
Chloroform	ND ug/L		5.0	1		02/29/12 04:42	74-87-3	
Chloromethane	ND ug/L		5.0	1		02/29/12 04:42	95-49-8	
2-Chlorotoluene	ND ug/L		5.0	1		02/29/12 04:42	106-43-4	
4-Chlorotoluene	ND ug/L		5.0	1		02/29/12 04:42	124-48-1	
Dibromochloromethane	ND ug/L		5.0	1		02/29/12 04:42	106-93-4	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/29/12 04:42	74-95-3	
Dibromomethane	ND ug/L		5.0	1		02/29/12 04:42	95-50-1	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/29/12 04:42	541-73-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/29/12 04:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/29/12 04:42	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/29/12 04:42	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/29/12 04:42	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/29/12 04:42	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/29/12 04:42	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/29/12 04:42	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/29/12 04:42	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/29/12 04:42	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/29/12 04:42	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/29/12 04:42	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/29/12 04:42	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/29/12 04:42	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/29/12 04:42	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/29/12 04:42	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/29/12 04:42	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/29/12 04:42	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/29/12 04:42	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/29/12 04:42	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/29/12 04:42	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/29/12 04:42	98-82-8	

Date: 03/22/2012 09:34 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Sample: TRIP BLANK	Lab ID: 5058751012	Collected: 02/17/12 08:00	Received: 02/17/12 17:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		02/29/12 04:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		02/29/12 04:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/29/12 04:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/29/12 04:42	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		02/29/12 04:42	103-65-1	
Styrene	ND	ug/L	5.0	1		02/29/12 04:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		02/29/12 04:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/29/12 04:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/29/12 04:42	127-18-4	
Toluene	ND	ug/L	5.0	1		02/29/12 04:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		02/29/12 04:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/29/12 04:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/29/12 04:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/29/12 04:42	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/29/12 04:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/29/12 04:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		02/29/12 04:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		02/29/12 04:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		02/29/12 04:42	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		02/29/12 04:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		02/29/12 04:42	75-01-4	
Xylene (Total)		ND ug/L	10.0	1		02/29/12 04:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90 %.		83-123	1		02/29/12 04:42	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		72-125	1		02/29/12 04:42	460-00-4	
Toluene-d8 (S)	99 %.		81-114	1		02/29/12 04:42	2037-26-5	

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

QC Batch:	GCV/14667	Analysis Method:	EPA 8015 Mod Pur
QC Batch Method:	EPA 8015 Mod Pur	Analysis Description:	8015 GRO 5035
Associated Lab Samples:	5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009, 5058751010, 5058751011		

METHOD BLANK: 690837 Matrix: Solid

Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008,
5058751009, 5058751010, 5058751011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	1.0	02/21/12 10:04	
4-Bromofluorobenzene (S)	%.	93	30-163	02/21/12 10:04	

LABORATORY CONTROL SAMPLE: 690838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	10	11.4	114	84-132	
4-Bromofluorobenzene (S)	%.			98	30-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690839 690840

Parameter	Units	5058729001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	ND	9.2	9.7	7.6	7.7	82	79	10-133	1	20	
4-Bromofluorobenzene (S)	%.						86	85	30-163		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690841 690842

Parameter	Units	5058751002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	mg/kg	ND	9.6	9.9	5.6	3.4	59	34	10-133	50	20	R1
4-Bromofluorobenzene (S)	%.						101	89	30-163		20	

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	MERP/3709	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009, 5058751010, 5058751011			

METHOD BLANK: 696004		Matrix: Solid			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	03/02/12 14:54	

LABORATORY CONTROL SAMPLE: 696005		Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Parameter	Units					
Mercury	mg/kg	.5	0.53	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 696006		696007										
Parameter	Units	5058751002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Mercury	mg/kg	ND	.6	.61	0.67	0.72	106	111	75-125	7	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 696008		696009										
Parameter	Units	5058906001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Mercury	mg/kg	ND	.51	.52	0.58	0.57	111	109	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 696055		696056										
Parameter	Units	5058868001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Mercury	mg/kg	0.53	.63	.62	1.3	1.2	115	110	75-125	4	20	

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	MPRP/8704	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009, 5058751010, 5058751011			

METHOD BLANK:	693202	Matrix:	Solid
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Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009, 5058751010, 5058751011

Parameter	Units	Blank	Reporting		Qualifiers
		Result	Limit	Analyzed	
Arsenic	mg/kg	ND	2.0	02/28/12 08:15	
Barium	mg/kg	ND	2.0	02/28/12 08:15	
Cadmium	mg/kg	ND	2.0	02/28/12 08:15	
Chromium	mg/kg	ND	2.0	02/28/12 08:15	
Lead	mg/kg	ND	2.0	02/28/12 08:15	
Selenium	mg/kg	ND	2.0	02/28/12 08:15	
Silver	mg/kg	ND	2.0	02/28/12 08:15	

LABORATORY CONTROL SAMPLE:	693203						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers	
Arsenic	mg/kg	50	51.2	102	80-120		
Barium	mg/kg	50	54.0	108	80-120		
Cadmium	mg/kg	50	50.4	101	80-120		
Chromium	mg/kg	50	55.3	111	80-120		
Lead	mg/kg	50	50.4	101	80-120		
Selenium	mg/kg	50	51.0	102	80-120		
Silver	mg/kg	25	26.8	107	80-120		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	693204	693205					
Parameter	Units	5058751002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec
Arsenic	mg/kg	9.7	60.8	53.9	63.4	59.9	88
Barium	mg/kg	106	60.8	53.9	236	189	214
Cadmium	mg/kg	ND	60.8	53.9	55.8	48.4	92
Chromium	mg/kg	20.6	60.8	53.9	84.7	74.0	106
Lead	mg/kg	11.1	60.8	53.9	61.3	58.4	82
Selenium	mg/kg	ND	60.8	53.9	53.3	47.0	88
Silver	mg/kg	ND	30.4	27	29.0	25.0	96

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	693206	693207					
Parameter	Units	5058868001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec
Arsenic	mg/kg	6.8	54.9	50.8	60.8	56.9	98
Barium	mg/kg	36.6	54.9	50.8	96.2	89.9	109

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			693206 693207														
Parameter	Units	Result	MS		MSD		MS		MSD		MS		MSD		% Rec	Max	
			5058868001	Spike Conc.	Spike Conc.	Result	MSD Result	MS % Rec	MSD % Rec	Limits	MS % Rec	MSD % Rec	Limits	RPD RPD	Qual		
Cadmium	mg/kg	ND	54.9	50.8	55.1	50.5	100	99	75-125	9	20						
Chromium	mg/kg	18.6	54.9	50.8	68.5	67.4	91	96	75-125	2	20						
Lead	mg/kg	18.0	54.9	50.8	60.9	60.8	78	84	75-125	.2	20						
Selenium	mg/kg	ND	54.9	50.8	52.8	49.1	95	95	75-125	7	20						
Silver	mg/kg	ND	27.5	25.4	28.3	25.8	103	102	75-125	9	20						



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QUALITY CONTROL DATA

Project: WCIEDD-Former Coal Yard

Pace Project No.: 5058751

QC Batch: MSV/39962

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5058751012

METHOD BLANK: 695291

Matrix: Water

Associated Lab Samples: 5058751012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,1,1-Trichloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,1-Dichloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,1-Dichloroethene	ug/L	ND	5.0	02/29/12 02:01	
1,1-Dichloropropene	ug/L	ND	5.0	02/29/12 02:01	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
1,2,3-Trichloropropane	ug/L	ND	5.0	02/29/12 02:01	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	02/29/12 02:01	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/29/12 02:01	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
1,2-Dichloroethane	ug/L	ND	5.0	02/29/12 02:01	
1,2-Dichloropropane	ug/L	ND	5.0	02/29/12 02:01	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	02/29/12 02:01	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
1,3-Dichloropropane	ug/L	ND	5.0	02/29/12 02:01	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
2,2-Dichloropropane	ug/L	ND	5.0	02/29/12 02:01	
2-Butanone (MEK)	ug/L	ND	25.0	02/29/12 02:01	
2-Chlorotoluene	ug/L	ND	5.0	02/29/12 02:01	
2-Hexanone	ug/L	ND	25.0	02/29/12 02:01	
4-Chlorotoluene	ug/L	ND	5.0	02/29/12 02:01	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/29/12 02:01	
Acetone	ug/L	ND	100	02/29/12 02:01	
Acrolein	ug/L	ND	50.0	02/29/12 02:01	
Acrylonitrile	ug/L	ND	100	02/29/12 02:01	
Benzene	ug/L	ND	5.0	02/29/12 02:01	
Bromobenzene	ug/L	ND	5.0	02/29/12 02:01	
Bromochloromethane	ug/L	ND	5.0	02/29/12 02:01	
Bromodichloromethane	ug/L	ND	5.0	02/29/12 02:01	
Bromoform	ug/L	ND	5.0	02/29/12 02:01	
Bromomethane	ug/L	ND	5.0	02/29/12 02:01	
Carbon disulfide	ug/L	ND	10.0	02/29/12 02:01	
Carbon tetrachloride	ug/L	ND	5.0	02/29/12 02:01	
Chlorobenzene	ug/L	ND	5.0	02/29/12 02:01	
Chloroethane	ug/L	ND	5.0	02/29/12 02:01	
Chloroform	ug/L	ND	5.0	02/29/12 02:01	
Chloromethane	ug/L	ND	5.0	02/29/12 02:01	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/29/12 02:01	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/29/12 02:01	
Dibromochloromethane	ug/L	ND	5.0	02/29/12 02:01	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

METHOD BLANK: 695291

Matrix: Water

Associated Lab Samples: 5058751012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	02/29/12 02:01	
Dichlorodifluoromethane	ug/L	ND	5.0	02/29/12 02:01	
Ethyl methacrylate	ug/L	ND	100	02/29/12 02:01	
Ethylbenzene	ug/L	ND	5.0	02/29/12 02:01	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/29/12 02:01	
Iodomethane	ug/L	ND	10.0	02/29/12 02:01	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/29/12 02:01	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/29/12 02:01	
Methylene Chloride	ug/L	ND	5.0	02/29/12 02:01	
n-Butylbenzene	ug/L	ND	5.0	02/29/12 02:01	
n-Hexane	ug/L	ND	5.0	02/29/12 02:01	N2
n-Propylbenzene	ug/L	ND	5.0	02/29/12 02:01	
p-Isopropyltoluene	ug/L	ND	5.0	02/29/12 02:01	
sec-Butylbenzene	ug/L	ND	5.0	02/29/12 02:01	
Styrene	ug/L	ND	5.0	02/29/12 02:01	
tert-Butylbenzene	ug/L	ND	5.0	02/29/12 02:01	
Tetrachloroethene	ug/L	ND	5.0	02/29/12 02:01	
Toluene	ug/L	ND	5.0	02/29/12 02:01	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/29/12 02:01	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/29/12 02:01	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/29/12 02:01	
Trichloroethene	ug/L	ND	5.0	02/29/12 02:01	
Trichlorofluoromethane	ug/L	ND	5.0	02/29/12 02:01	
Vinyl acetate	ug/L	ND	50.0	02/29/12 02:01	
Vinyl chloride	ug/L	ND	2.0	02/29/12 02:01	
Xylene (Total)	ug/L	ND	10.0	02/29/12 02:01	
4-Bromofluorobenzene (S)	%.	98	72-125	02/29/12 02:01	
Dibromofluoromethane (S)	%.	90	83-123	02/29/12 02:01	
Toluene-d8 (S)	%.	97	81-114	02/29/12 02:01	

LABORATORY CONTROL SAMPLE: 695292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.6	95	69-122	
1,1,1-Trichloroethane	ug/L	50	49.9	100	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	55.5	111	68-134	
1,1,2-Trichloroethane	ug/L	50	48.9	98	77-129	
1,1-Dichloroethane	ug/L	50	51.1	102	70-127	
1,1-Dichloroethene	ug/L	50	52.4	105	75-145	
1,1-Dichloropropene	ug/L	50	44.2	88	75-126	
1,2,3-Trichlorobenzene	ug/L	50	48.0	96	63-130	
1,2,3-Trichloropropane	ug/L	50	80.1	160	45-121 L3	
1,2,4-Trichlorobenzene	ug/L	50	46.9	94	64-122	
1,2,4-Trimethylbenzene	ug/L	50	48.7	97	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	77-123	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	46.8	94	74-123	
1,2-Dichloroethane	ug/L	50	55.3	111	71-127	
1,2-Dichloropropane	ug/L	50	50.4	101	75-126	
1,3,5-Trimethylbenzene	ug/L	50	48.7	97	69-129	
1,3-Dichlorobenzene	ug/L	50	45.6	91	76-123	
1,3-Dichloropropane	ug/L	50	51.2	102	77-126	
1,4-Dichlorobenzene	ug/L	50	45.6	91	77-121	
2,2-Dichloropropane	ug/L	50	50.5	101	45-138	
2-Butanone (MEK)	ug/L	250	180	72	42-177	
2-Chlorotoluene	ug/L	50	47.0	94	74-129	
2-Hexanone	ug/L	250	191	76	57-162	
4-Chlorotoluene	ug/L	50	47.8	96	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	242	97	64-135	
Acetone	ug/L	250	162	65	10-200	
Acrolein	ug/L	1000	2110	211	10-200 L3	
Acrylonitrile	ug/L	1000	926	93	59-144	
Benzene	ug/L	50	48.8	98	76-123	
Bromobenzene	ug/L	50	47.7	95	67-130	
Bromochloromethane	ug/L	50	48.1	96	58-153	
Bromodichloromethane	ug/L	50	45.7	91	71-124	
Bromoform	ug/L	50	42.2	84	64-116	
Bromomethane	ug/L	50	57.8	116	23-197	
Carbon disulfide	ug/L	100	108	108	55-146	
Carbon tetrachloride	ug/L	50	46.3	93	65-125	
Chlorobenzene	ug/L	50	46.4	93	78-120	
Chloroethane	ug/L	50	57.2	114	56-163	
Chloroform	ug/L	50	50.6	101	73-122	
Chloromethane	ug/L	50	55.4	111	46-146	
cis-1,2-Dichloroethene	ug/L	50	44.9	90	79-129	
cis-1,3-Dichloropropene	ug/L	50	45.4	91	66-123	
Dibromochloromethane	ug/L	50	42.6	85	70-123	
Dibromomethane	ug/L	50	52.7	105	73-123	
Dichlorodifluoromethane	ug/L	50	65.7	131	19-200	
Ethyl methacrylate	ug/L	200	195	98	70-127	
Ethylbenzene	ug/L	50	48.8	98	75-120	
Hexachloro-1,3-butadiene	ug/L	50	51.6	103	64-131	
Iodomethane	ug/L	100	121	121	16-181	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	73-123	
Methyl-tert-butyl ether	ug/L	100	99.8	100	66-128	
Methylene Chloride	ug/L	50	50.3	101	61-138	
n-Butylbenzene	ug/L	50	48.8	98	69-130	
n-Hexane	ug/L	50	41.2	82	67-142 N2	
n-Propylbenzene	ug/L	50	48.5	97	71-132	
p-Isopropyltoluene	ug/L	50	49.6	99	71-126	
sec-Butylbenzene	ug/L	50	49.4	99	69-130	
Styrene	ug/L	50	52.3	105	75-125	
tert-Butylbenzene	ug/L	50	46.2	92	49-114	
Tetrachloroethene	ug/L	50	45.9	92	57-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	45.1	90	72-124	
trans-1,2-Dichloroethene	ug/L	50	43.8	88	71-145	
trans-1,3-Dichloropropene	ug/L	50	45.0	90	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	191	96	50-121	
Trichloroethene	ug/L	50	53.9	108	77-122	
Trichlorofluoromethane	ug/L	50	55.5	111	56-159	
Vinyl acetate	ug/L	200	206	103	27-119	
Vinyl chloride	ug/L	50	56.1	112	61-146	
Xylene (Total)	ug/L	150	145	96	72-126	
4-Bromofluorobenzene (S)	%.			99	72-125	
Dibromofluoromethane (S)	%.			103	83-123	
Toluene-d8 (S)	%.			98	81-114	

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	MSV/39960	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007		

METHOD BLANK: 695281	Matrix: Solid
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Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,1,1-Trichloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,1,2-Trichloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,1-Dichloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,1-Dichloroethene	ug/kg	ND	5.0	02/28/12 13:11	
1,1-Dichloropropene	ug/kg	ND	5.0	02/28/12 13:11	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,2,3-Trichloropropane	ug/kg	ND	5.0	02/28/12 13:11	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	02/28/12 13:11	
1,2-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,2-Dichloroethane	ug/kg	ND	5.0	02/28/12 13:11	
1,2-Dichloropropane	ug/kg	ND	5.0	02/28/12 13:11	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,3-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
1,3-Dichloropropane	ug/kg	ND	5.0	02/28/12 13:11	
1,4-Dichlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
2,2-Dichloropropane	ug/kg	ND	5.0	02/28/12 13:11	
2-Butanone (MEK)	ug/kg	ND	25.0	02/28/12 13:11	
2-Chlorotoluene	ug/kg	ND	5.0	02/28/12 13:11	
2-Hexanone	ug/kg	ND	100	02/28/12 13:11	
4-Chlorotoluene	ug/kg	ND	5.0	02/28/12 13:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	02/28/12 13:11	
Acetone	ug/kg	ND	100	02/28/12 13:11	
Acrolein	ug/kg	ND	100	02/28/12 13:11	
Acrylonitrile	ug/kg	ND	100	02/28/12 13:11	
Benzene	ug/kg	ND	5.0	02/28/12 13:11	
Bromobenzene	ug/kg	ND	5.0	02/28/12 13:11	
Bromochloromethane	ug/kg	ND	5.0	02/28/12 13:11	
Bromodichloromethane	ug/kg	ND	5.0	02/28/12 13:11	
Bromoform	ug/kg	ND	5.0	02/28/12 13:11	
Bromomethane	ug/kg	ND	5.0	02/28/12 13:11	
Carbon disulfide	ug/kg	ND	10.0	02/28/12 13:11	
Carbon tetrachloride	ug/kg	ND	5.0	02/28/12 13:11	
Chlorobenzene	ug/kg	ND	5.0	02/28/12 13:11	
Chloroethane	ug/kg	ND	5.0	02/28/12 13:11	
Chloroform	ug/kg	ND	5.0	02/28/12 13:11	
Chloromethane	ug/kg	ND	5.0	02/28/12 13:11	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	02/28/12 13:11	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	02/28/12 13:11	
Dibromochloromethane	ug/kg	ND	5.0	02/28/12 13:11	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

METHOD BLANK: 695281

Matrix: Solid

Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	02/28/12 13:11	
Dichlorodifluoromethane	ug/kg	ND	5.0	02/28/12 13:11	
Ethyl methacrylate	ug/kg	ND	100	02/28/12 13:11	
Ethylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	02/28/12 13:11	
Iodomethane	ug/kg	ND	100	02/28/12 13:11	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	02/28/12 13:11	
Methyl-tert-butyl ether	ug/kg	ND	5.0	02/28/12 13:11	
Methylene Chloride	ug/kg	ND	20.0	02/28/12 13:11	
n-Butylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
n-Hexane	ug/kg	ND	5.0	02/28/12 13:11	
n-Propylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
p-Isopropyltoluene	ug/kg	ND	5.0	02/28/12 13:11	
sec-Butylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
Styrene	ug/kg	ND	5.0	02/28/12 13:11	
tert-Butylbenzene	ug/kg	ND	5.0	02/28/12 13:11	
Tetrachloroethene	ug/kg	ND	5.0	02/28/12 13:11	
Toluene	ug/kg	ND	5.0	02/28/12 13:11	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	02/28/12 13:11	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	02/28/12 13:11	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	02/28/12 13:11	
Trichloroethene	ug/kg	ND	5.0	02/28/12 13:11	
Trichlorofluoromethane	ug/kg	ND	5.0	02/28/12 13:11	
Vinyl acetate	ug/kg	ND	100	02/28/12 13:11	
Vinyl chloride	ug/kg	ND	5.0	02/28/12 13:11	
Xylene (Total)	ug/kg	ND	10.0	02/28/12 13:11	
4-Bromofluorobenzene (S)	%.	99	67-134	02/28/12 13:11	
Dibromofluoromethane (S)	%.	90	71-125	02/28/12 13:11	
Toluene-d8 (S)	%.	98	76-124	02/28/12 13:11	

LABORATORY CONTROL SAMPLE: 695282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	44.1	88	68-125	
1,1,1-Trichloroethane	ug/kg	50	47.8	96	63-124	
1,1,2,2-Tetrachloroethane	ug/kg	50	53.5	107	73-123	
1,1,2-Trichloroethane	ug/kg	50	48.3	97	70-124	
1,1-Dichloroethane	ug/kg	50	50.5	101	63-122	
1,1-Dichloroethene	ug/kg	50	50.9	102	71-129	
1,1-Dichloropropene	ug/kg	50	44.5	89	71-122	
1,2,3-Trichlorobenzene	ug/kg	50	49.7	99	68-123	
1,2,3-Trichloropropane	ug/kg	50	77.7	155	47-117 L3	
1,2,4-Trichlorobenzene	ug/kg	50	51.8	104	68-125	
1,2,4-Trimethylbenzene	ug/kg	50	49.6	99	69-120	
1,2-Dibromoethane (EDB)	ug/kg	50	48.2	96	67-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	47.4	95	71-121	
1,2-Dichloroethane	ug/kg	50	54.1	108	74-120	
1,2-Dichloropropane	ug/kg	50	49.7	99	71-117	
1,3,5-Trimethylbenzene	ug/kg	50	49.5	99	64-119	
1,3-Dichlorobenzene	ug/kg	50	47.1	94	70-122	
1,3-Dichloropropane	ug/kg	50	51.0	102	68-118	
1,4-Dichlorobenzene	ug/kg	50	47.4	95	71-118	
2,2-Dichloropropane	ug/kg	50	49.5	99	62-119	
2-Butanone (MEK)	ug/kg	250	267	107	38-154	
2-Chlorotoluene	ug/kg	50	47.2	94	71-120	
2-Hexanone	ug/kg	250	271	109	50-134	
4-Chlorotoluene	ug/kg	50	49.1	98	72-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	251	100	66-122	
Acetone	ug/kg	250	302	121	10-200	
Acrolein	ug/kg	1000	2030	203	11-200 L3	
Acrylonitrile	ug/kg	1000	928	93	66-120	
Benzene	ug/kg	50	48.5	97	73-115	
Bromobenzene	ug/kg	50	47.0	94	64-130	
Bromochloromethane	ug/kg	50	47.3	95	71-127	
Bromodichloromethane	ug/kg	50	42.7	85	60-121	
Bromoform	ug/kg	50	38.5	77	44-130	
Bromomethane	ug/kg	50	54.5	109	48-175	
Carbon disulfide	ug/kg	100	103	103	71-126	
Carbon tetrachloride	ug/kg	50	43.7	87	57-127	
Chlorobenzene	ug/kg	50	46.7	93	72-121	
Chloroethane	ug/kg	50	54.4	109	72-141	
Chloroform	ug/kg	50	49.9	100	74-114	
Chloromethane	ug/kg	50	52.7	105	51-126	
cis-1,2-Dichloroethene	ug/kg	50	44.0	88	72-115	
cis-1,3-Dichloropropene	ug/kg	50	44.1	88	64-115	
Dibromochloromethane	ug/kg	50	39.5	79	58-114	
Dibromomethane	ug/kg	50	51.3	103	73-120	
Dichlorodifluoromethane	ug/kg	50	65.5	131	32-167	
Ethyl methacrylate	ug/kg	200	196	98	65-117	
Ethylbenzene	ug/kg	50	48.9	98	73-120	
Hexachloro-1,3-butadiene	ug/kg	50	52.5	105	65-121	
Iodomethane	ug/kg	100	109	109	45-156	
Isopropylbenzene (Cumene)	ug/kg	50	50.0	100	74-123	
Methyl-tert-butyl ether	ug/kg	100	97.3	97	69-123	
Methylene Chloride	ug/kg	50	50.0	100	58-124	
n-Butylbenzene	ug/kg	50	51.9	104	71-118	
n-Hexane	ug/kg	50	41.5	83	50-106	
n-Propylbenzene	ug/kg	50	49.2	98	70-120	
p-Isopropyltoluene	ug/kg	50	50.7	101	71-123	
sec-Butylbenzene	ug/kg	50	49.6	99	66-122	
Styrene	ug/kg	50	52.5	105	75-118	
tert-Butylbenzene	ug/kg	50	45.9	92	54-124	
Tetrachloroethene	ug/kg	50	47.1	94	66-126	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	50	44.9	90	69-115	
trans-1,2-Dichloroethene	ug/kg	50	44.0	88	69-120	
trans-1,3-Dichloropropene	ug/kg	50	42.6	85	61-116	
trans-1,4-Dichloro-2-butene	ug/kg	200	190	95	59-130	
Trichloroethene	ug/kg	50	54.6	109	71-117	
Trichlorofluoromethane	ug/kg	50	52.6	105	67-138	
Vinyl acetate	ug/kg	200	207	104	35-134	
Vinyl chloride	ug/kg	50	55.3	111	64-127	
Xylene (Total)	ug/kg	150	146	98	69-117	
4-Bromofluorobenzene (S)	%.			100	65-117	
Dibromofluoromethane (S)	%.			99	82-130	
Toluene-d8 (S)	%.			97	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695283 695284

Parameter	Units	5058751002		MS Spike		MSD Spike		MS		MSD		% Rec Limits	RPD	RPD	Max Qual
		Result	Conc.	Conc.	Result	Conc.	Result	Result	% Rec	Result	% Rec				
1,1,1,2-Tetrachloroethane	ug/kg	ND	50.8	49.7	40.9	41.5	80	84	10-111	2	20				
1,1,1-Trichloroethane	ug/kg	ND	50.8	49.7	46.8	46.1	92	93	36-128	1	20				
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.8	49.7	53.9	51.9	106	104	10-130	4	20				
1,1,2-Trichloroethane	ug/kg	ND	50.8	49.7	50.5	45.4	99	91	10-126	11	20				
1,1-Dichloroethane	ug/kg	ND	50.8	49.7	53.0	48.3	104	97	39-126	9	20				
1,1-Dichloroethene	ug/kg	ND	50.8	49.7	51.2	48.2	101	97	42-147	6	20				
1,1-Dichloropropene	ug/kg	ND	50.8	49.7	45.2	41.8	89	84	29-129	8	20				
1,2,3-Trichlorobenzene	ug/kg	ND	50.8	49.7	51.3	45.5	101	92	10-91	12	20	M0			
1,2,3-Trichloropropane	ug/kg	ND	50.8	49.7	74.2	75.8	146	153	10-99	2	20	M0			
1,2,4-Trichlorobenzene	ug/kg	ND	50.8	49.7	52.8	46.7	104	94	10-88	12	20	M0			
1,2,4-Trimethylbenzene	ug/kg	ND	50.8	49.7	50.6	45.7	100	92	10-109	10	20				
1,2-Dibromoethane (EDB)	ug/kg	ND	50.8	49.7	48.7	45.3	96	91	10-119	7	20				
1,2-Dichlorobenzene	ug/kg	ND	50.8	49.7	48.4	44.1	95	89	10-104	9	20				
1,2-Dichloroethane	ug/kg	ND	50.8	49.7	56.9	52.4	112	105	19-126	8	20				
1,2-Dichloropropane	ug/kg	ND	50.8	49.7	52.4	47.8	103	96	24-123	9	20				
1,3,5-Trimethylbenzene	ug/kg	ND	50.8	49.7	50.2	45.4	99	91	10-118	10	20				
1,3-Dichlorobenzene	ug/kg	ND	50.8	49.7	48.2	43.9	95	88	10-108	9	20				
1,3-Dichloropropane	ug/kg	ND	50.8	49.7	53.0	48.1	104	97	12-121	10	20				
1,4-Dichlorobenzene	ug/kg	ND	50.8	49.7	47.5	43.5	93	88	10-104	9	20				
2,2-Dichloropropane	ug/kg	ND	50.8	49.7	50.0	48.7	98	98	32-124	3	20				
2-Butanone (MEK)	ug/kg	ND	254	248	266	252	105	102	10-183	5	20				
2-Chlorotoluene	ug/kg	ND	50.8	49.7	48.3	44.8	95	90	10-128	7	20				
2-Hexanone	ug/kg	ND	254	248	264	241	104	97	10-158	9	20				
4-Chlorotoluene	ug/kg	ND	50.8	49.7	50.2	45.8	99	92	10-119	9	20				
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	254	248	251	232	99	93	12-130	8	20				
Acetone	ug/kg	ND	254	248	305	310	120	125	10-200	2	20				
Acrolein	ug/kg	ND	1020	994	2100	1990	206	200	10-200	5	20	M0			
Acrylonitrile	ug/kg	ND	1020	994	951	890	94	90	19-130	7	20				
Benzene	ug/kg	ND	50.8	49.7	50.8	46.0	100	92	23-138	10	20				
Bromobenzene	ug/kg	ND	50.8	49.7	49.9	45.3	98	91	10-111	10	20				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Parameter	Units	5058751002		MS Spike		MSD Spike		MS		MSD		% Rec	Limits	Max RPD	Max RPD	Max Qual
		Result	Conc.	Conc.	Result	MSD	Result	% Rec	MSD	% Rec	% Rec					
Bromochloromethane	ug/kg	ND	50.8	49.7	49.8	43.3	98	87	26-126	14	20					
Bromodichloromethane	ug/kg	ND	50.8	49.7	39.7	40.7	78	82	10-120	2	20					
Bromoform	ug/kg	ND	50.8	49.7	31.4	35.7	62	72	10-106	13	20					
Bromomethane	ug/kg	ND	50.8	49.7	65.2	40.1	128	81	10-190	48	20	R1				
Carbon disulfide	ug/kg	ND	102	99.4	102	96.9	101	98	31-128	5	20					
Carbon tetrachloride	ug/kg	ND	50.8	49.7	38.5	40.8	76	82	26-126	6	20					
Chlorobenzene	ug/kg	ND	50.8	49.7	48.2	43.9	95	88	10-120	9	20					
Chloroethane	ug/kg	ND	50.8	49.7	58.3	53.0	115	107	18-186	10	20					
Chloroform	ug/kg	ND	50.8	49.7	51.6	47.1	102	95	29-126	9	20					
Chloromethane	ug/kg	ND	50.8	49.7	55.8	59.3	110	119	34-131	6	20					
cis-1,2-Dichloroethene	ug/kg	ND	50.8	49.7	46.1	41.9	91	84	28-132	10	20					
cis-1,3-Dichloropropene	ug/kg	ND	50.8	49.7	43.6	41.8	86	84	10-108	4	20					
Dibromochloromethane	ug/kg	ND	50.8	49.7	34.0	35.9	67	72	10-108	6	20					
Dibromomethane	ug/kg	ND	50.8	49.7	54.0	49.2	106	99	13-122	9	20					
Dichlorodifluoromethane	ug/kg	ND	50.8	49.7	66.3	61.5	130	124	10-197	8	20					
Ethyl methacrylate	ug/kg	ND	203	199	197	183	97	92	10-130	7	20					
Ethylbenzene	ug/kg	ND	50.8	49.7	50.4	45.8	99	92	10-135	9	20					
Hexachloro-1,3-butadiene	ug/kg	ND	50.8	49.7	51.4	47.5	101	96	10-105	8	20					
Iodomethane	ug/kg	ND	102	99.4	91.5J	75.3J	90	76	10-163		20					
Isopropylbenzene (Cumene)	ug/kg	ND	50.8	49.7	50.9	46.2	100	93	10-121	10	20					
Methyl-tert-butyl ether	ug/kg	ND	102	99.4	103	95.8	101	96	20-140	7	20					
Methylene Chloride	ug/kg	ND	50.8	49.7	51.1	45.7	101	92	28-131	11	20					
n-Butylbenzene	ug/kg	ND	50.8	49.7	52.0	46.7	102	94	10-110	11	20					
n-Hexane	ug/kg	ND	50.8	49.7	43.2	39.3	85	79	21-150	9	20					
n-Propylbenzene	ug/kg	ND	50.8	49.7	49.9	46.0	98	93	10-123	8	20					
p-Isopropyltoluene	ug/kg	ND	50.8	49.7	50.7	46.5	100	93	10-117	9	20					
sec-Butylbenzene	ug/kg	ND	50.8	49.7	50.2	45.8	99	92	10-123	9	20					
Styrene	ug/kg	ND	50.8	49.7	53.9	48.9	106	98	10-119	10	20					
tert-Butylbenzene	ug/kg	ND	50.8	49.7	46.3	42.5	91	85	10-105	9	20					
Tetrachloroethene	ug/kg	ND	50.8	49.7	47.2	42.9	93	86	10-122	10	20					
Toluene	ug/kg	ND	50.8	49.7	46.2	41.5	91	83	10-131	11	20					
trans-1,2-Dichloroethene	ug/kg	ND	50.8	49.7	44.4	41.3	87	83	32-136	7	20					
trans-1,3-Dichloropropene	ug/kg	ND	50.8	49.7	42.0	40.8	83	82	10-101	3	20					
trans-1,4-Dichloro-2-butene	ug/kg	ND	203	199	185	176	91	88	10-104	5	20					
Trichloroethene	ug/kg	ND	50.8	49.7	55.4	51.0	109	103	15-133	8	20					
Trichlorofluoromethane	ug/kg	ND	50.8	49.7	54.2	51.0	107	103	37-152	6	20					
Vinyl acetate	ug/kg	ND	203	199	205	190	101	95	10-103	8	20					
Vinyl chloride	ug/kg	ND	50.8	49.7	56.2	52.2	111	105	41-147	7	20					
Xylene (Total)	ug/kg	ND	153	149	149	135	98	90	10-131	10	20					
4-Bromofluorobenzene (S)	%.						99	99	67-134		20					
Dibromofluoromethane (S)	%.						97	105	71-125		20					
Toluene-d8 (S)	%.						97	97	76-124		20					

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	MSV/39961	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	5058751008, 5058751009, 5058751010, 5058751011		

METHOD BLANK: 695289	Matrix: Solid
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Associated Lab Samples: 5058751008, 5058751009, 5058751010, 5058751011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,1-Dichloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,1-Dichloroethene	ug/kg	ND	5.0	02/29/12 02:01	
1,1-Dichloropropene	ug/kg	ND	5.0	02/29/12 02:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	02/29/12 02:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	02/29/12 02:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,2-Dichloroethane	ug/kg	ND	5.0	02/29/12 02:01	
1,2-Dichloropropane	ug/kg	ND	5.0	02/29/12 02:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
1,3-Dichloropropane	ug/kg	ND	5.0	02/29/12 02:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
2,2-Dichloropropane	ug/kg	ND	5.0	02/29/12 02:01	
2-Butanone (MEK)	ug/kg	ND	25.0	02/29/12 02:01	
2-Chlorotoluene	ug/kg	ND	5.0	02/29/12 02:01	
2-Hexanone	ug/kg	ND	100	02/29/12 02:01	
4-Chlorotoluene	ug/kg	ND	5.0	02/29/12 02:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	02/29/12 02:01	
Acetone	ug/kg	ND	100	02/29/12 02:01	
Acrolein	ug/kg	ND	100	02/29/12 02:01	
Acrylonitrile	ug/kg	ND	100	02/29/12 02:01	
Benzene	ug/kg	ND	5.0	02/29/12 02:01	
Bromobenzene	ug/kg	ND	5.0	02/29/12 02:01	
Bromochloromethane	ug/kg	ND	5.0	02/29/12 02:01	
Bromodichloromethane	ug/kg	ND	5.0	02/29/12 02:01	
Bromoform	ug/kg	ND	5.0	02/29/12 02:01	
Bromomethane	ug/kg	ND	5.0	02/29/12 02:01	
Carbon disulfide	ug/kg	ND	10.0	02/29/12 02:01	
Carbon tetrachloride	ug/kg	ND	5.0	02/29/12 02:01	
Chlorobenzene	ug/kg	ND	5.0	02/29/12 02:01	
Chloroethane	ug/kg	ND	5.0	02/29/12 02:01	
Chloroform	ug/kg	ND	5.0	02/29/12 02:01	
Chloromethane	ug/kg	ND	5.0	02/29/12 02:01	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	02/29/12 02:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	02/29/12 02:01	
Dibromochloromethane	ug/kg	ND	5.0	02/29/12 02:01	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

METHOD BLANK: 695289

Matrix: Solid

Associated Lab Samples: 5058751008, 5058751009, 5058751010, 5058751011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	02/29/12 02:01	
Dichlorodifluoromethane	ug/kg	ND	5.0	02/29/12 02:01	
Ethyl methacrylate	ug/kg	ND	100	02/29/12 02:01	
Ethylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	02/29/12 02:01	
Iodomethane	ug/kg	ND	100	02/29/12 02:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	02/29/12 02:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	02/29/12 02:01	
Methylene Chloride	ug/kg	ND	20.0	02/29/12 02:01	
n-Butylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
n-Hexane	ug/kg	ND	5.0	02/29/12 02:01	
n-Propylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
p-Isopropyltoluene	ug/kg	ND	5.0	02/29/12 02:01	
sec-Butylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
Styrene	ug/kg	ND	5.0	02/29/12 02:01	
tert-Butylbenzene	ug/kg	ND	5.0	02/29/12 02:01	
Tetrachloroethene	ug/kg	ND	5.0	02/29/12 02:01	
Toluene	ug/kg	ND	5.0	02/29/12 02:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	02/29/12 02:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	02/29/12 02:01	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	02/29/12 02:01	
Trichloroethene	ug/kg	ND	5.0	02/29/12 02:01	
Trichlorofluoromethane	ug/kg	ND	5.0	02/29/12 02:01	
Vinyl acetate	ug/kg	ND	100	02/29/12 02:01	
Vinyl chloride	ug/kg	ND	5.0	02/29/12 02:01	
Xylene (Total)	ug/kg	ND	10.0	02/29/12 02:01	
4-Bromofluorobenzene (S)	%.	98	67-134	02/29/12 02:01	
Dibromofluoromethane (S)	%.	90	71-125	02/29/12 02:01	
Toluene-d8 (S)	%.	97	76-124	02/29/12 02:01	

LABORATORY CONTROL SAMPLE: 695290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	47.6	95	68-125	
1,1,1-Trichloroethane	ug/kg	50	49.9	100	63-124	
1,1,2,2-Tetrachloroethane	ug/kg	50	55.5	111	73-123	
1,1,2-Trichloroethane	ug/kg	50	48.9	98	70-124	
1,1-Dichloroethane	ug/kg	50	51.1	102	63-122	
1,1-Dichloroethene	ug/kg	50	52.4	105	71-129	
1,1-Dichloropropene	ug/kg	50	44.2	88	71-122	
1,2,3-Trichlorobenzene	ug/kg	50	48.0	96	68-123	
1,2,3-Trichloropropane	ug/kg	50	80.1	160	47-117 L3	
1,2,4-Trichlorobenzene	ug/kg	50	46.9	94	68-125	
1,2,4-Trimethylbenzene	ug/kg	50	48.7	97	69-120	
1,2-Dibromoethane (EDB)	ug/kg	50	48.4	97	67-121	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	46.8	94	71-121	
1,2-Dichloroethane	ug/kg	50	55.3	111	74-120	
1,2-Dichloropropane	ug/kg	50	50.4	101	71-117	
1,3,5-Trimethylbenzene	ug/kg	50	48.7	97	64-119	
1,3-Dichlorobenzene	ug/kg	50	45.6	91	70-122	
1,3-Dichloropropane	ug/kg	50	51.2	102	68-118	
1,4-Dichlorobenzene	ug/kg	50	45.6	91	71-118	
2,2-Dichloropropane	ug/kg	50	50.5	101	62-119	
2-Butanone (MEK)	ug/kg	250	180	72	38-154	
2-Chlorotoluene	ug/kg	50	47.0	94	71-120	
2-Hexanone	ug/kg	250	191	76	50-134	
4-Chlorotoluene	ug/kg	50	47.8	96	72-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	242	97	66-122	
Acetone	ug/kg	250	162	65	10-200	
Acrolein	ug/kg	1000	2110	211	11-200 L3	
Acrylonitrile	ug/kg	1000	926	93	66-120	
Benzene	ug/kg	50	48.8	98	73-115	
Bromobenzene	ug/kg	50	47.7	95	64-130	
Bromochloromethane	ug/kg	50	48.1	96	71-127	
Bromodichloromethane	ug/kg	50	45.7	91	60-121	
Bromoform	ug/kg	50	42.2	84	44-130	
Bromomethane	ug/kg	50	57.8	116	48-175	
Carbon disulfide	ug/kg	100	108	108	71-126	
Carbon tetrachloride	ug/kg	50	46.3	93	57-127	
Chlorobenzene	ug/kg	50	46.4	93	72-121	
Chloroethane	ug/kg	50	57.2	114	72-141	
Chloroform	ug/kg	50	50.6	101	74-114	
Chloromethane	ug/kg	50	55.4	111	51-126	
cis-1,2-Dichloroethene	ug/kg	50	44.9	90	72-115	
cis-1,3-Dichloropropene	ug/kg	50	45.4	91	64-115	
Dibromochloromethane	ug/kg	50	42.6	85	58-114	
Dibromomethane	ug/kg	50	52.7	105	73-120	
Dichlorodifluoromethane	ug/kg	50	65.7	131	32-167	
Ethyl methacrylate	ug/kg	200	195	98	65-117	
Ethylbenzene	ug/kg	50	48.8	98	73-120	
Hexachloro-1,3-butadiene	ug/kg	50	51.6	103	65-121	
Iodomethane	ug/kg	100	121	121	45-156	
Isopropylbenzene (Cumene)	ug/kg	50	49.9	100	74-123	
Methyl-tert-butyl ether	ug/kg	100	99.8	100	69-123	
Methylene Chloride	ug/kg	50	50.3	101	58-124	
n-Butylbenzene	ug/kg	50	48.8	98	71-118	
n-Hexane	ug/kg	50	41.2	82	50-106	
n-Propylbenzene	ug/kg	50	48.5	97	70-120	
p-Isopropyltoluene	ug/kg	50	49.6	99	71-123	
sec-Butylbenzene	ug/kg	50	49.4	99	66-122	
Styrene	ug/kg	50	52.3	105	75-118	
tert-Butylbenzene	ug/kg	50	46.2	92	54-124	
Tetrachloroethene	ug/kg	50	45.9	92	66-126	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 695290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	50	45.1	90	69-115	
trans-1,2-Dichloroethene	ug/kg	50	43.8	88	69-120	
trans-1,3-Dichloropropene	ug/kg	50	45.0	90	61-116	
trans-1,4-Dichloro-2-butene	ug/kg	200	191	96	59-130	
Trichloroethene	ug/kg	50	53.9	108	71-117	
Trichlorofluoromethane	ug/kg	50	55.5	111	67-138	
Vinyl acetate	ug/kg	200	206	103	35-134	
Vinyl chloride	ug/kg	50	56.1	112	64-127	
Xylene (Total)	ug/kg	150	145	96	69-117	
4-Bromofluorobenzene (S)	%.			99	65-117	
Dibromofluoromethane (S)	%.			103	82-130	
Toluene-d8 (S)	%.			98	81-120	

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch: OEXT/28820 Analysis Method: EPA 8015 Mod Ext

QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008

METHOD BLANK: 690316 Matrix: Solid

Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
High End Organics (C8-C34)	mg/kg	ND	10.0	02/21/12 15:21	
n-Pentacosane (S)	%.	69	30-126	02/21/12 15:21	

LABORATORY CONTROL SAMPLE: 690317

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
High End Organics (C8-C34)	mg/kg	83.3	53.9	65	47-107	
n-Pentacosane (S)	%.			74	30-126	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690318 690319

Parameter	Units	5058736005	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max
		Result	Spike	Spike							
High End Organics (C8-C34)	mg/kg	29.5	87.9	87.9	110	80.4	91	58	23-115	31	20 R1
n-Pentacosane (S)	%.						89	71	30-126		20 R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 690320 690321

Parameter	Units	5058751002	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max
		Result	Spike	Spike							
High End Organics (C8-C34)	mg/kg	ND	106	106	55.5	58.5	50	52	23-115	5	20
n-Pentacosane (S)	%.						63	66	30-126		20

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch: OEXT/28857 Analysis Method: EPA 8015 Mod Ext

QC Batch Method: EPA 3546 Analysis Description: EPA 8015 Modified

Associated Lab Samples: 5058751009, 5058751010, 5058751011

METHOD BLANK: 691504 Matrix: Solid

Associated Lab Samples: 5058751009, 5058751010, 5058751011

Parameter	Units	Blank Result	Reporting Limit		Analyzed	Qualifiers
			10.0	02/22/12 23:48		
High End Organics (C8-C34)	mg/kg	ND				
n-Pentacosane (S)	%	73	30-126	02/22/12 23:48		

LABORATORY CONTROL SAMPLE: 691505

Parameter	Units	Spike Conc.	LCS Result		% Rec	% Rec Limits	Qualifiers
			LCS % Rec	Result			
High End Organics (C8-C34)	mg/kg	83.3	45.9		55	47-107	
n-Pentacosane (S)	%				66	30-126	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691506 691507

Parameter	Units	5058751009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	Max	RPD RPD Qual
			Conc.	Conc.	Result	Result	% Rec	Limits	RPD	RPD	
High End Organics (C8-C34)	mg/kg	445	104	104	251	255	-186	-183	23-115	1	20 P6
n-Pentacosane (S)	%						0	0	30-126	20	S4

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	OEXT/28855	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV PAH by SIM
Associated Lab Samples:	5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009, 5058751010, 5058751011		

METHOD BLANK: 691482 Matrix: Solid

Associated Lab Samples: 5058751001, 5058751002, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008,
5058751009, 5058751010, 5058751011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/kg	ND	5.0	02/22/12 21:52	
Acenaphthene	ug/kg	ND	5.0	02/22/12 21:52	
Acenaphthylene	ug/kg	ND	5.0	02/22/12 21:52	
Anthracene	ug/kg	ND	5.0	02/22/12 21:52	
Benzo(a)anthracene	ug/kg	ND	5.0	02/22/12 21:52	
Benzo(a)pyrene	ug/kg	ND	5.0	02/22/12 21:52	
Benzo(b)fluoranthene	ug/kg	ND	5.0	02/22/12 21:52	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	02/22/12 21:52	
Benzo(k)fluoranthene	ug/kg	ND	5.0	02/22/12 21:52	
Chrysene	ug/kg	ND	5.0	02/22/12 21:52	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	02/22/12 21:52	
Fluoranthene	ug/kg	ND	5.0	02/22/12 21:52	
Fluorene	ug/kg	ND	5.0	02/22/12 21:52	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	02/22/12 21:52	
Naphthalene	ug/kg	ND	5.0	02/22/12 21:52	
Phenanthrene	ug/kg	ND	5.0	02/22/12 21:52	
Pyrene	ug/kg	ND	5.0	02/22/12 21:52	
2-Fluorobiphenyl (S)	%.	56	46-109	02/22/12 21:52	
p-Terphenyl-d14 (S)	%.	68	43-107	02/22/12 21:52	

LABORATORY CONTROL SAMPLE: 691483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/kg	333	213	64	49-116	
Acenaphthene	ug/kg	333	231	69	52-114	
Acenaphthylene	ug/kg	333	235	71	52-119	
Anthracene	ug/kg	333	266	80	55-124	
Benzo(a)anthracene	ug/kg	333	231	69	52-122	
Benzo(a)pyrene	ug/kg	333	260	78	56-131	
Benzo(b)fluoranthene	ug/kg	333	228	69	54-125	
Benzo(g,h,i)perylene	ug/kg	333	228	68	55-122	
Benzo(k)fluoranthene	ug/kg	333	249	75	55-128	
Chrysene	ug/kg	333	238	71	56-118	
Dibenz(a,h)anthracene	ug/kg	333	231	69	56-125	
Fluoranthene	ug/kg	333	251	75	55-125	
Fluorene	ug/kg	333	228	68	54-120	
Indeno(1,2,3-cd)pyrene	ug/kg	333	234	70	56-124	
Naphthalene	ug/kg	333	217	65	52-112	
Phenanthrene	ug/kg	333	230	69	53-116	
Pyrene	ug/kg	333	253	76	55-120	

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QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

LABORATORY CONTROL SAMPLE: 691483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%. %			63 69	46-109 43-107	
p-Terphenyl-d14 (S)						

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691484 691485

Parameter	Units	5058751002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	RPD RPD Qual
			Spike Conc.	Spike Conc.						RPD	
2-Methylnaphthalene	ug/kg	ND	424	424	257	263	59	61	43-106	2	20
Acenaphthene	ug/kg	ND	424	424	268	276	63	65	46-101	3	20
Acenaphthylene	ug/kg	ND	424	424	275	284	65	67	47-105	3	20
Anthracene	ug/kg	ND	424	424	299	307	70	72	39-112	3	20
Benz(a)anthracene	ug/kg	ND	424	424	260	254	61	60	36-105	2	20
Benz(a)pyrene	ug/kg	ND	424	424	289	282	68	66	34-113	2	20
Benz(b)fluoranthene	ug/kg	ND	424	424	257	242	60	57	33-111	6	20
Benz(g,h,i)perylene	ug/kg	ND	424	424	260	255	61	60	26-109	2	20
Benz(k)fluoranthene	ug/kg	ND	424	424	275	275	65	65	31-116	.09	20
Chrysene	ug/kg	ND	424	424	273	276	64	65	34-109	1	20
Dibenz(a,h)anthracene	ug/kg	ND	424	424	266	266	63	63	32-111	.08	20
Fluoranthene	ug/kg	ND	424	424	286	274	66	64	33-117	4	20
Fluorene	ug/kg	ND	424	424	267	271	63	64	44-107	1	20
Indeno(1,2,3-cd)pyrene	ug/kg	ND	424	424	260	254	61	60	27-113	3	20
Naphthalene	ug/kg	ND	424	424	267	272	62	64	45-106	2	20
Phenanthrene	ug/kg	ND	424	424	270	268	62	62	42-103	1	20
Pyrene	ug/kg	ND	424	424	289	282	67	65	36-111	3	20
2-Fluorobiphenyl (S)	%. %						58 59	59	46-109 43-107		20 20
p-Terphenyl-d14 (S)											

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch: PMST/6752 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5058751001, 5058751003, 5058751004, 5058751005, 5058751006, 5058751007, 5058751008, 5058751009,
5058751010, 5058751011

SAMPLE DUPLICATE: 693122

Parameter	Units	5058751001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	20.6	38	5	R2

QUALITY CONTROL DATA

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

QC Batch:	PMST/6757	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5058751002		

SAMPLE DUPLICATE: 694162

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.5	20.7	4	5	

SAMPLE DUPLICATE: 694163

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	20.8	4	5	

QUALIFIERS

Project: WCIEDD-Fomer Coal Yard
 Pace Project No.: 5058751

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1d RPD is outside control limits due to sample non-homogeneity. FRW 2-29-12
- 2d The sample was analyzed at dilution due to its physical characteristics. 2-23-12 RRB
- 3d The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 02.22.12
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- N2 The lab does not hold TNI accreditation for this parameter.
- P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
- R1 RPD value was outside control limits.
- R2 RPD value was outside control limits due to matrix interference
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WCIEDD-Fomer Coal Yard

Pace Project No.: 5058751

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5058751001	GP-7 (0-0.5)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751002	GP-7 (6-8)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751003	GP-8 (0-0.5)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751004	GP-8 (8-10)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751005	GP-9 (0-0.5)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751006	GP-9 (6-8)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751007	GP-10 (0-0.5)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751008	GP-10 (6-8)	EPA 3546	OEXT/28820	EPA 8015 Mod Ext	GCSV/8933
5058751009	GP-11 (0-0.5)	EPA 3546	OEXT/28857	EPA 8015 Mod Ext	GCSV/8958
5058751010	GP-11 (2-4)	EPA 3546	OEXT/28857	EPA 8015 Mod Ext	GCSV/8958
5058751011	DUPLICATE	EPA 3546	OEXT/28857	EPA 8015 Mod Ext	GCSV/8958
5058751001	GP-7 (0-0.5)	EPA 8015 Mod Pur	GCV/14667		
5058751002	GP-7 (6-8)	EPA 8015 Mod Pur	GCV/14667		
5058751003	GP-8 (0-0.5)	EPA 8015 Mod Pur	GCV/14667		
5058751004	GP-8 (8-10)	EPA 8015 Mod Pur	GCV/14667		
5058751005	GP-9 (0-0.5)	EPA 8015 Mod Pur	GCV/14667		
5058751006	GP-9 (6-8)	EPA 8015 Mod Pur	GCV/14667		
5058751007	GP-10 (0-0.5)	EPA 8015 Mod Pur	GCV/14667		
5058751008	GP-10 (6-8)	EPA 8015 Mod Pur	GCV/14667		
5058751009	GP-11 (0-0.5)	EPA 8015 Mod Pur	GCV/14667		
5058751010	GP-11 (2-4)	EPA 8015 Mod Pur	GCV/14667		
5058751011	DUPLICATE	EPA 8015 Mod Pur	GCV/14667		
5058751001	GP-7 (0-0.5)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751002	GP-7 (6-8)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751003	GP-8 (0-0.5)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751004	GP-8 (8-10)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751005	GP-9 (0-0.5)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751006	GP-9 (6-8)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751007	GP-10 (0-0.5)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751008	GP-10 (6-8)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751009	GP-11 (0-0.5)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751010	GP-11 (2-4)	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751011	DUPLICATE	EPA 3050	MPRP/8704	EPA 6010	ICP/8528
5058751001	GP-7 (0-0.5)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751002	GP-7 (6-8)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751003	GP-8 (0-0.5)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751004	GP-8 (8-10)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751005	GP-9 (0-0.5)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751006	GP-9 (6-8)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751007	GP-10 (0-0.5)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751008	GP-10 (6-8)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751009	GP-11 (0-0.5)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751010	GP-11 (2-4)	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751011	DUPLICATE	EPA 7471	MERP/3709	EPA 7471	MERC/3640
5058751001	GP-7 (0-0.5)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751002	GP-7 (6-8)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WCIEDD-Fomer Coal Yard
Pace Project No.: 5058751

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5058751003	GP-8 (0-0.5)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751004	GP-8 (8-10)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751005	GP-9 (0-0.5)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751006	GP-9 (6-8)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751007	GP-10 (0-0.5)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751008	GP-10 (6-8)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751009	GP-11 (0-0.5)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751010	GP-11 (2-4)	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751011	DUPLICATE	EPA 3546	OEXT/28855	EPA 8270 by SIM	MSSV/9646
5058751012	TRIP BLANK	EPA 8260	MSV/39962		
5058751001	GP-7 (0-0.5)	EPA 8260	MSV/39960		
5058751002	GP-7 (6-8)	EPA 8260	MSV/39960		
5058751003	GP-8 (0-0.5)	EPA 8260	MSV/39960		
5058751004	GP-8 (8-10)	EPA 8260	MSV/39960		
5058751005	GP-9 (0-0.5)	EPA 8260	MSV/39960		
5058751006	GP-9 (6-8)	EPA 8260	MSV/39960		
5058751007	GP-10 (0-0.5)	EPA 8260	MSV/39960		
5058751008	GP-10 (6-8)	EPA 8260	MSV/39961		
5058751009	GP-11 (0-0.5)	EPA 8260	MSV/39961		
5058751010	GP-11 (2-4)	EPA 8260	MSV/39961		
5058751011	DUPLICATE	EPA 8260	MSV/39961		
5058751001	GP-7 (0-0.5)	ASTM D2974-87	PMST/6752		
5058751002	GP-7 (6-8)	ASTM D2974-87	PMST/6757		
5058751003	GP-8 (0-0.5)	ASTM D2974-87	PMST/6752		
5058751004	GP-8 (8-10)	ASTM D2974-87	PMST/6752		
5058751005	GP-9 (0-0.5)	ASTM D2974-87	PMST/6752		
5058751006	GP-9 (6-8)	ASTM D2974-87	PMST/6752		
5058751007	GP-10 (0-0.5)	ASTM D2974-87	PMST/6752		
5058751008	GP-10 (6-8)	ASTM D2974-87	PMST/6752		
5058751009	GP-11 (0-0.5)	ASTM D2974-87	PMST/6752		
5058751010	GP-11 (2-4)	ASTM D2974-87	PMST/6752		
5058751011	DUPLICATE	ASTM D2974-87	PMST/6752		

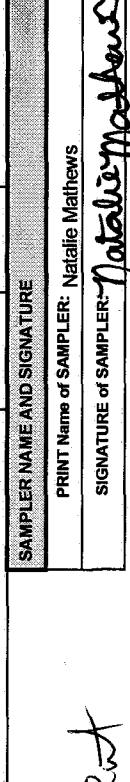
CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: ATC Associates, Inc.	Report To: rob.walker@atcassociates.com	Invoice Information: Attention: Angie Tribby
Address: 7988 Centerpoint Drive	Copy To: natalie.mathews@atcassociates.com	Company Name:
Indianapolis, IN 46256		
Email To: rob.walker@atcassociates.com	Purchase Order No.:	Address:
Phone: (317)579-4063	Project Name: Former Coal Yard	Pace Quote Reference:
Requested Due Date/TAT: 2 week TAT	Project Number: 8638738.016H	Pace Project Manager:
		Pace Profile #:

Section C

Section B Required Project Information:		Section D Required Client Information		Section E Sample Details		Section F Analysis Test		Section G Requested Analysis Filtered (Y/N)		Section H Pace Project No./Lab I.D.	
ITEM #	SAMPLE ID <small>(A-Z, 0-9 /,-)</small>	Sample ID# MUST BE UNIQUE	Valid Matrix Codes	MATRIX CODE	COLLECTED	Preservatives	ANALYSIS TEST	RESIDUAL CHLORINE (Y/N)	Temp in °C	Received on	Custody Seal/Cooler (Y/N)
1	GP-7 (1-5)	SL G	DRINKING WATER	DW	COMPOSITE START	COMPOSITE END/GRAB	TPH-GRO/ERO Method	X	-00	10/10/08	Samples intact (Y/N)
2	GP-7 (6-8)	SL G	WASTE WATER	WW			VOCs 8260	X	-00	10/10/08	
3	GP-8 (6-9)	SL G	PRODUCT	P			RCRA Materials 8	X	-00	10/10/08	
4	GP-8 (6-9)	SL G	SOLID/SOLID	SL			Method 6000/7000	X	-00	10/10/08	
5	GP-9 (0-5)	SL G	OIL	OL			NOCs 8260	X	-00	10/10/08	
6	GP-9 (6-8)	SL G	WIPE	WP			PAHs Method 8270	X	-00	10/10/08	
7	GP-10 (0-5)	SL G	AIR	AR			TPH-GRO/ERO Method	X	-00	10/10/08	
8	GP-10 (6-8)	SL G	OTHER	OT			VOCs 8260	X	-00	10/10/08	
9	GP-11 (0-5)	SL G	TISSUE	TS			RCRA Materials 8	X	-00	10/10/08	
10	GP-11 (6-8)	SL G					Method 6000/7000	X	-00	10/10/08	
11	Duplicate	SL G					NOCs 8260	X	-00	10/10/08	
12	Trip Blank	SL G					PAHs Method 8270	X	-00	10/10/08	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Report limits comparable to IDEM		Natalie Mathews	10/10/08	17:45	Pace	10/10/08	21:45				
RISC RDCLs, please use WCI/EDD rates											
Level IV QA/QC											
SAMPLER NAME AND SIGNATURE											
PRINT Name of SAMPLER: Natalie Mathews											
SIGNATURE of SAMPLER: 											

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: ATC

Project # SD58751

Courier: FedEx UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 1 2 3 4 5 A B C D E

Type of Ice: Wet Blue None

Date/Time 5035A kits placed in freezer

2/17/12 1825

Cooler Temperature
(Corrected, if applicable)

2.4 / 0.5

Ice Visible in Sample Containers:

yes no

Date and Initials of person examining contents: KC 2/17/12

Temp should be above freezing to 6°C

Comments: _____

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>T C's</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing acid/base pres have been checked? exceptions: VOA, coliform, TOC, O&G	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9. (Circle) HNO3 H ₂ SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Field Data Required?

Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Kenneth Trut

Date: 2/18/12

Sample Container Count

CLIENT: ATC

DOC PAGE ____ of ____
DOC ID# ____Project # 5058751

Sample Line	DG9H	AG1U	WG FU R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			7	6								
2			4	18								
3		2	6									
4		2	6									
5		2	6									
6		2	6									
7		2	6									
8		2	6									
9		2	6									
10		2	6									
11		2	6									
12												
												<u>Trap Blank</u>

Container Codes

DG9H	40mL HCl amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic		DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H ₂ SO ₄ plastic		DG9S	40mL H ₂ SC4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H ₂ SO ₄ amber glass	BP1U	1 liter unpreserved plastic		DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO ₃ amber glass	BP2A	500mL NaOH, Asc Acid plastic	I Wipe/Swab	JGFU	4oz unpreserved amber wide
BP2U	500mL unpreserved plastic	AG2S	500mL H ₂ SO ₄ amber glass	BP2O	500mL NaOH plastic		JGFU	4oz unpreserved amber wide
BP2S	500mL H ₂ SO ₄ plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U Summa Can	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic		VG9T	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic		VG9U	40mL unpreserved clear vial
BP3S	250mL H ₂ SO ₄ plastic	BG1S	1 liter H ₂ SO ₄ clear glass	BP3Z	250mL NaOH, Zn Ac plastic		VSG	Headspace septa vial & HCl
AG3S	250mL H ₂ SO ₄ glass amber	BG1T	1 liter Na Thiosulfate clear gla	C Air Cassette			WGFX	40z wide jar w/hexane wipe
AG1S	1 liter H ₂ SO ₄ amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial		ZPLC	Ziploc Bag
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial			

March 02, 2012

Mr. Rob Walker
ATC Associates
7988 Centerpoint Drive
Indianapolis, IN 46256

RE: Project: Former Coal Yard/86.39738.016H
Pace Project No.: 5058785

Dear Mr. Walker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 20, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Donna Spyker

donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Former Coal Yard/86.39738.016H
Pace Project No.: 5058785

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Former Coal Yard/86.39738.016H
 Pace Project No.: 5058785

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5058785001	GP-1	Water	02/17/12 10:00	02/20/12 16:20
5058785002	GP-2	Water	02/17/12 11:30	02/20/12 16:20
5058785003	GP-3	Water	02/17/12 12:45	02/20/12 16:20
5058785004	GP-4	Water	02/17/12 15:00	02/20/12 16:20
5058785005	GP-5	Water	02/17/12 13:45	02/20/12 16:20
5058785006	GP-6	Water	02/17/12 15:40	02/20/12 16:20
5058785007	Duplicate	Water	02/17/12 08:00	02/20/12 16:20
5058785008	Trip Blank	Water	02/17/12 08:00	02/20/12 16:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Former Coal Yard/86.39738.016H
Pace Project No.: 5058785

Lab ID	Sample ID	Method	Analysts	Analytics Reported
5058785001	GP-1	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785002	GP-2	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785003	GP-3	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785004	GP-4	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785005	GP-5	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785006	GP-6	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785007	Duplicate	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM	RRB	10
		EPA 8260	KMP	72
5058785008	Trip Blank	EPA 8260	KMP	72

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-1	Lab ID: 5058785001	Collected: 02/17/12 10:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	10.7	ug/L	10.0	1	02/23/12 08:23	02/23/12 10:54	7440-38-2	
Barium	149	ug/L	100	1	02/23/12 08:23	02/23/12 10:54	7440-39-3	
Cadmium	ND	ug/L	5.0	1	02/23/12 08:23	02/23/12 10:54	7440-43-9	
Chromium	ND	ug/L	10.0	1	02/23/12 08:23	02/23/12 10:54	7440-47-3	
Lead	ND	ug/L	10.0	1	02/23/12 08:23	02/23/12 10:54	7439-92-1	
Selenium	ND	ug/L	10.0	1	02/23/12 08:23	02/23/12 10:54	7782-49-2	
Silver	ND	ug/L	50.0	1	02/23/12 08:23	02/23/12 10:54	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	02/29/12 14:33	03/01/12 12:06	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Benzo(a)anthracene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	207-08-9	
Chrysene	ND	ug/L	0.53	1	02/21/12 19:25	02/22/12 20:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	53-70-3	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1	02/21/12 19:25	02/22/12 20:22	193-39-5	
Naphthalene	ND	ug/L	1.1	1	02/21/12 19:25	02/22/12 20:22	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	49 %.		26-106	1	02/21/12 19:25	02/22/12 20:22	321-60-8	
p-Terphenyl-d14 (S)	56 %.		16-111	1	02/21/12 19:25	02/22/12 20:22	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		02/23/12 15:52	67-64-1	
Acrolein	ND	ug/L	50.0	1		02/23/12 15:52	107-02-8	
Acrylonitrile	ND	ug/L	100	1		02/23/12 15:52	107-13-1	
Benzene	ND	ug/L	5.0	1		02/23/12 15:52	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		02/23/12 15:52	108-86-1	
Bromoform	ND	ug/L	5.0	1		02/23/12 15:52	74-97-5	
Bromochloromethane	ND	ug/L	5.0	1		02/23/12 15:52	75-27-4	
Bromodichloromethane	ND	ug/L	5.0	1		02/23/12 15:52	75-25-2	
Bromoform	ND	ug/L	5.0	1		02/23/12 15:52	74-83-9	
Bromomethane	ND	ug/L	25.0	1		02/23/12 15:52	78-93-3	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/23/12 15:52	104-51-8	
n-Butylbenzene	ND	ug/L	10.0	1		02/23/12 15:52	135-98-8	
sec-Butylbenzene	ND	ug/L	5.0	1		02/23/12 15:52	98-06-6	
tert-Butylbenzene	ND	ug/L	5.0	1		02/23/12 15:52	75-15-0	
Carbon disulfide	ND	ug/L	5.0	1		02/23/12 15:52	56-23-5	
Carbon tetrachloride	ND	ug/L	5.0	1		02/23/12 15:52	108-90-7	
Chlorobenzene	ND	ug/L	5.0	1		02/23/12 15:52	75-00-3	
Chloroethane	ND	ug/L	5.0	1		02/23/12 15:52	67-66-3	
Chloroform	ND	ug/L	5.0	1		02/23/12 15:52	74-87-3	
Chloromethane	ND	ug/L	5.0	1		02/23/12 15:52	95-49-8	
2-Chlorotoluene	ND	ug/L	5.0	1		02/23/12 15:52	106-43-4	
4-Chlorotoluene	ND	ug/L	5.0	1		02/23/12 15:52		

Date: 03/02/2012 11:30 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-1	Lab ID: 5058785001	Collected: 02/17/12 10:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		5.0	1		02/23/12 15:52	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/23/12 15:52	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/23/12 15:52	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 15:52	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 15:52	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 15:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/23/12 15:52	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/23/12 15:52	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/23/12 15:52	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/23/12 15:52	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/23/12 15:52	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 15:52	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 15:52	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 15:52	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/23/12 15:52	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 15:52	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/23/12 15:52	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 15:52	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 15:52	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/23/12 15:52	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/23/12 15:52	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/23/12 15:52	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/23/12 15:52	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/23/12 15:52	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/23/12 15:52	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/23/12 15:52	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/23/12 15:52	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/23/12 15:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/23/12 15:52	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/23/12 15:52	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/23/12 15:52	103-65-1	
Styrene	ND ug/L		5.0	1		02/23/12 15:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 15:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 15:52	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		02/23/12 15:52	127-18-4	
Toluene	ND ug/L		5.0	1		02/23/12 15:52	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 15:52	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 15:52	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/23/12 15:52	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/23/12 15:52	79-00-5	
Trichloroethene	ND ug/L		5.0	1		02/23/12 15:52	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/23/12 15:52	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/23/12 15:52	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 15:52	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 15:52	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/23/12 15:52	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/23/12 15:52	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-1	Lab ID: 5058785001	Collected: 02/17/12 10:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/23/12 15:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		83-123	1		02/23/12 15:52	1868-53-7	
4-Bromofluorobenzene (S)	96 %.		72-125	1		02/23/12 15:52	460-00-4	
Toluene-d8 (S)	101 %.		81-114	1		02/23/12 15:52	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-2	Lab ID: 5058785002	Collected: 02/17/12 11:30	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:05	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:05	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:05	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:05	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:05	7439-92-1	
Selenium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:05	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:05	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:16	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Benzo(a)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	207-08-9	
Chrysene	ND ug/L		0.51	1	02/21/12 19:25	02/22/12 21:17	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:17	193-39-5	
Naphthalene	ND ug/L		1.0	1	02/21/12 19:25	02/22/12 21:17	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	47 %.		26-106	1	02/21/12 19:25	02/22/12 21:17	321-60-8	
p-Terphenyl-d14 (S)	43 %.		16-111	1	02/21/12 19:25	02/22/12 21:17	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/23/12 17:32	67-64-1	
Acrolein	ND ug/L		50.0	1		02/23/12 17:32	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/23/12 17:32	107-13-1	
Benzene	ND ug/L		5.0	1		02/23/12 17:32	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/23/12 17:32	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		02/23/12 17:32	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		02/23/12 17:32	75-27-4	
Bromoform	ND ug/L		5.0	1		02/23/12 17:32	75-25-2	
Bromomethane	ND ug/L		5.0	1		02/23/12 17:32	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		02/23/12 17:32	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/23/12 17:32	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/23/12 17:32	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/23/12 17:32	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/23/12 17:32	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/23/12 17:32	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/23/12 17:32	75-00-3	
Chloroform	ND ug/L		5.0	1		02/23/12 17:32	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/23/12 17:32	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/23/12 17:32	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/23/12 17:32	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-2	Lab ID: 5058785002	Collected: 02/17/12 11:30	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		5.0	1		02/23/12 17:32	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/23/12 17:32	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/23/12 17:32	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/23/12 17:32	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/23/12 17:32	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/23/12 17:32	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/23/12 17:32	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/23/12 17:32	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 17:32	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 17:32	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 17:32	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/23/12 17:32	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 17:32	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/23/12 17:32	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 17:32	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 17:32	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/23/12 17:32	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/23/12 17:32	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/23/12 17:32	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/23/12 17:32	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/23/12 17:32	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/23/12 17:32	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/23/12 17:32	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/23/12 17:32	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/23/12 17:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/23/12 17:32	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/23/12 17:32	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/23/12 17:32	103-65-1	
Styrene	ND ug/L		5.0	1		02/23/12 17:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 17:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 17:32	79-34-5	
Tetrachloroethene	10.4 ug/L		5.0	1		02/23/12 17:32	127-18-4	
Toluene	ND ug/L		5.0	1		02/23/12 17:32	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 17:32	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/23/12 17:32	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/23/12 17:32	79-00-5	
Trichloroethene	ND ug/L		5.0	1		02/23/12 17:32	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/23/12 17:32	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/23/12 17:32	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 17:32	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 17:32	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/23/12 17:32	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/23/12 17:32	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-2	Lab ID: 5058785002	Collected: 02/17/12 11:30	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/23/12 17:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94 %.		83-123	1		02/23/12 17:32	1868-53-7	
4-Bromofluorobenzene (S)	96 %.		72-125	1		02/23/12 17:32	460-00-4	
Toluene-d8 (S)	101 %.		81-114	1		02/23/12 17:32	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-3	Lab ID: 5058785003	Collected: 02/17/12 12:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:07	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:07	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:07	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:07	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:07	7439-92-1	
Selenium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:07	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:07	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:18	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Benzo(a)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	207-08-9	
Chrysene	ND ug/L		0.52	1	02/21/12 19:25	02/22/12 21:35	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:35	193-39-5	
Naphthalene	ND ug/L		1.0	1	02/21/12 19:25	02/22/12 21:35	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	52 %.		26-106	1	02/21/12 19:25	02/22/12 21:35	321-60-8	
p-Terphenyl-d14 (S)	52 %.		16-111	1	02/21/12 19:25	02/22/12 21:35	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/25/12 09:57	67-64-1	
Acrolein	ND ug/L		50.0	1		02/25/12 09:57	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/25/12 09:57	107-13-1	
Benzene	ND ug/L		5.0	1		02/25/12 09:57	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/25/12 09:57	108-86-1	
Bromoform	ND ug/L		5.0	1		02/25/12 09:57	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/25/12 09:57	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/25/12 09:57	75-25-2	
Bromoform	ND ug/L		5.0	1		02/25/12 09:57	74-83-9	
Bromomethane	ND ug/L		25.0	1		02/25/12 09:57	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/25/12 09:57	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/25/12 09:57	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/25/12 09:57	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/25/12 09:57	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/25/12 09:57	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/25/12 09:57	75-00-3	
Chloroform	ND ug/L		5.0	1		02/25/12 09:57	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/25/12 09:57	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/25/12 09:57	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/25/12 09:57	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-3	Lab ID: 5058785003	Collected: 02/17/12 12:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		5.0	1		02/25/12 09:57	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/25/12 09:57	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/25/12 09:57	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/25/12 09:57	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/25/12 09:57	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/25/12 09:57	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/25/12 09:57	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/25/12 09:57	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/25/12 09:57	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/25/12 09:57	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/25/12 09:57	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/25/12 09:57	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/25/12 09:57	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/25/12 09:57	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/25/12 09:57	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/25/12 09:57	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/25/12 09:57	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/25/12 09:57	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/25/12 09:57	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/25/12 09:57	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/25/12 09:57	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/25/12 09:57	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/25/12 09:57	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/25/12 09:57	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/25/12 09:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/25/12 09:57	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/25/12 09:57	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/25/12 09:57	103-65-1	
Styrene	ND ug/L		5.0	1		02/25/12 09:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/25/12 09:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/25/12 09:57	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		02/25/12 09:57	127-18-4	
Toluene	ND ug/L		5.0	1		02/25/12 09:57	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/25/12 09:57	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/25/12 09:57	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/25/12 09:57	79-00-5	
Trichloroethene	11.1 ug/L		5.0	1		02/25/12 09:57	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/25/12 09:57	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/25/12 09:57	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/25/12 09:57	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/25/12 09:57	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/25/12 09:57	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/25/12 09:57	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-3	Lab ID: 5058785003	Collected: 02/17/12 12:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/25/12 09:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99 %.		83-123	1		02/25/12 09:57	1868-53-7	
4-Bromofluorobenzene (S)	100 %.		72-125	1		02/25/12 09:57	460-00-4	
Toluene-d8 (S)	100 %.		81-114	1		02/25/12 09:57	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-4	Lab ID: 5058785004	Collected: 02/17/12 15:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:16	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:16	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:16	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:16	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:16	7439-92-1	
Selenium	14.0 ug/L		10.0	1	02/23/12 08:23	02/23/12 11:16	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:16	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:20	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Benzo(a)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	207-08-9	
Chrysene	ND ug/L		0.50	1	02/21/12 19:25	02/22/12 21:54	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 21:54	193-39-5	
Naphthalene	ND ug/L		1.0	1	02/21/12 19:25	02/22/12 21:54	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	60 %.		26-106	1	02/21/12 19:25	02/22/12 21:54	321-60-8	
p-Terphenyl-d14 (S)	53 %.		16-111	1	02/21/12 19:25	02/22/12 21:54	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/23/12 18:38	67-64-1	
Acrolein	ND ug/L		50.0	1		02/23/12 18:38	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/23/12 18:38	107-13-1	
Benzene	ND ug/L		5.0	1		02/23/12 18:38	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/23/12 18:38	108-86-1	
Bromoform	ND ug/L		5.0	1		02/23/12 18:38	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/23/12 18:38	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/23/12 18:38	75-25-2	
Bromoform	ND ug/L		5.0	1		02/23/12 18:38	74-83-9	
Bromomethane	ND ug/L		25.0	1		02/23/12 18:38	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/23/12 18:38	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/23/12 18:38	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/23/12 18:38	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/23/12 18:38	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/23/12 18:38	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/23/12 18:38	75-00-3	
Chloroform	ND ug/L		5.0	1		02/23/12 18:38	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/23/12 18:38	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/23/12 18:38	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/23/12 18:38	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-4	Lab ID: 5058785004	Collected: 02/17/12 15:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		5.0	1		02/23/12 18:38	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/23/12 18:38	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/23/12 18:38	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/23/12 18:38	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/23/12 18:38	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/23/12 18:38	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/23/12 18:38	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/23/12 18:38	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 18:38	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 18:38	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 18:38	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/23/12 18:38	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 18:38	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/23/12 18:38	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 18:38	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 18:38	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/23/12 18:38	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/23/12 18:38	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/23/12 18:38	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/23/12 18:38	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/23/12 18:38	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/23/12 18:38	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/23/12 18:38	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/23/12 18:38	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/23/12 18:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/23/12 18:38	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/23/12 18:38	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/23/12 18:38	103-65-1	
Styrene	ND ug/L		5.0	1		02/23/12 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 18:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 18:38	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		02/23/12 18:38	127-18-4	
Toluene	ND ug/L		5.0	1		02/23/12 18:38	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 18:38	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/23/12 18:38	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/23/12 18:38	79-00-5	
Trichloroethene	ND ug/L		5.0	1		02/23/12 18:38	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/23/12 18:38	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/23/12 18:38	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 18:38	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 18:38	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/23/12 18:38	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/23/12 18:38	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-4	Lab ID: 5058785004	Collected: 02/17/12 15:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/23/12 18:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		83-123	1		02/23/12 18:38	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		72-125	1		02/23/12 18:38	460-00-4	
Toluene-d8 (S)	99 %.		81-114	1		02/23/12 18:38	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-5	Lab ID: 5058785005	Collected: 02/17/12 13:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:18	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:18	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:18	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:18	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:18	7439-92-1	
Selenium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:18	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:18	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:22	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Benzo(a)anthracene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	56-55-3	
Benzo(a)pyrene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	207-08-9	
Chrysene	ND ug/L		0.58	1	02/21/12 19:25	02/22/12 22:12	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.12	1	02/21/12 19:25	02/22/12 22:12	193-39-5	
Naphthalene	ND ug/L		1.2	1	02/21/12 19:25	02/22/12 22:12	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	40 %.		26-106	1	02/21/12 19:25	02/22/12 22:12	321-60-8	
p-Terphenyl-d14 (S)	49 %.		16-111	1	02/21/12 19:25	02/22/12 22:12	1718-51-0	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/23/12 19:12	67-64-1	
Acrolein	ND ug/L		50.0	1		02/23/12 19:12	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/23/12 19:12	107-13-1	
Benzene	ND ug/L		5.0	1		02/23/12 19:12	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/23/12 19:12	108-86-1	
Bromoform	ND ug/L		5.0	1		02/23/12 19:12	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/23/12 19:12	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/23/12 19:12	75-25-2	
Bromoform	ND ug/L		5.0	1		02/23/12 19:12	74-83-9	
Bromomethane	ND ug/L		25.0	1		02/23/12 19:12	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:12	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:12	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:12	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/23/12 19:12	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/23/12 19:12	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/23/12 19:12	75-00-3	
Chloroform	ND ug/L		5.0	1		02/23/12 19:12	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/23/12 19:12	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/23/12 19:12	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/23/12 19:12	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-5	Lab ID: 5058785005	Collected: 02/17/12 13:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND ug/L		5.0	1		02/23/12 19:12	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/23/12 19:12	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/23/12 19:12	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/23/12 19:12	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/23/12 19:12	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/23/12 19:12	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/23/12 19:12	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:12	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:12	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:12	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:12	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:12	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:12	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:12	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:12	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:12	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/23/12 19:12	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/23/12 19:12	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/23/12 19:12	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/23/12 19:12	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/23/12 19:12	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/23/12 19:12	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/23/12 19:12	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/23/12 19:12	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/23/12 19:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/23/12 19:12	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/23/12 19:12	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/23/12 19:12	103-65-1	
Styrene	ND ug/L		5.0	1		02/23/12 19:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 19:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 19:12	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		02/23/12 19:12	127-18-4	
Toluene	ND ug/L		5.0	1		02/23/12 19:12	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 19:12	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/23/12 19:12	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/23/12 19:12	79-00-5	
Trichloroethene	ND ug/L		5.0	1		02/23/12 19:12	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/23/12 19:12	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/23/12 19:12	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 19:12	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 19:12	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/23/12 19:12	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/23/12 19:12	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-5	Lab ID: 5058785005	Collected: 02/17/12 13:45	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/23/12 19:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		83-123	1		02/23/12 19:12	1868-53-7	
4-Bromofluorobenzene (S)	95 %.		72-125	1		02/23/12 19:12	460-00-4	
Toluene-d8 (S)	99 %.		81-114	1		02/23/12 19:12	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-6	Lab ID: 5058785006	Collected: 02/17/12 15:40	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:20	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:20	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:20	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:20	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:20	7439-92-1	
Selenium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:20	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:20	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:24	7439-97-6	
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510						
Benzo(a)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	56-55-3	
Benzo(a)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	207-08-9	
Chrysene	ND ug/L		0.51	1	02/21/12 19:25	02/22/12 22:30	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.10	1	02/21/12 19:25	02/22/12 22:30	193-39-5	
Naphthalene	ND ug/L		1.0	1	02/21/12 19:25	02/22/12 22:30	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	36 %.		26-106	1	02/21/12 19:25	02/22/12 22:30	321-60-8	
p-Terphenyl-d14 (S)	43 %.		16-111	1	02/21/12 19:25	02/22/12 22:30	1718-51-0	
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		02/23/12 19:45	67-64-1	
Acrolein	ND ug/L		50.0	1		02/23/12 19:45	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/23/12 19:45	107-13-1	
Benzene	ND ug/L		5.0	1		02/23/12 19:45	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/23/12 19:45	108-86-1	
Bromoform	ND ug/L		5.0	1		02/23/12 19:45	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/23/12 19:45	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/23/12 19:45	75-25-2	
Bromoform	ND ug/L		5.0	1		02/23/12 19:45	74-83-9	
Bromomethane	ND ug/L		25.0	1		02/23/12 19:45	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:45	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:45	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/23/12 19:45	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/23/12 19:45	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/23/12 19:45	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/23/12 19:45	75-00-3	
Chloroform	ND ug/L		5.0	1		02/23/12 19:45	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/23/12 19:45	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/23/12 19:45	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/23/12 19:45	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-6	Lab ID: 5058785006	Collected: 02/17/12 15:40	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Dibromochloromethane	ND ug/L		5.0	1		02/23/12 19:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/23/12 19:45	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/23/12 19:45	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/23/12 19:45	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/23/12 19:45	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/23/12 19:45	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/23/12 19:45	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:45	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:45	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/23/12 19:45	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:45	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:45	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/23/12 19:45	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:45	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:45	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/23/12 19:45	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/23/12 19:45	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/23/12 19:45	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/23/12 19:45	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/23/12 19:45	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/23/12 19:45	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/23/12 19:45	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/23/12 19:45	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		02/23/12 19:45	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		02/23/12 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		02/23/12 19:45	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		02/23/12 19:45	1634-04-4	
n-Propylbenzene	ND ug/L		5.0	1		02/23/12 19:45	103-65-1	
Styrene	ND ug/L		5.0	1		02/23/12 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		02/23/12 19:45	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		02/23/12 19:45	127-18-4	
Toluene	ND ug/L		5.0	1		02/23/12 19:45	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		02/23/12 19:45	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		02/23/12 19:45	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		02/23/12 19:45	79-00-5	
Trichloroethene	ND ug/L		5.0	1		02/23/12 19:45	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		02/23/12 19:45	75-69-4	
1,2,3-Trichloropropane	ND ug/L		5.0	1		02/23/12 19:45	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 19:45	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	1		02/23/12 19:45	108-67-8	
Vinyl acetate	ND ug/L		50.0	1		02/23/12 19:45	108-05-4	
Vinyl chloride	ND ug/L		2.0	1		02/23/12 19:45	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: GP-6	Lab ID: 5058785006	Collected: 02/17/12 15:40	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/23/12 19:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		83-123	1		02/23/12 19:45	1868-53-7	
4-Bromofluorobenzene (S)	95 %.		72-125	1		02/23/12 19:45	460-00-4	
Toluene-d8 (S)	100 %.		81-114	1		02/23/12 19:45	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: Duplicate	Lab ID: 5058785007	Collected: 02/17/12 08:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:23	7440-38-2	
Barium	ND ug/L		100	1	02/23/12 08:23	02/23/12 11:23	7440-39-3	
Cadmium	ND ug/L		5.0	1	02/23/12 08:23	02/23/12 11:23	7440-43-9	
Chromium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:23	7440-47-3	
Lead	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:23	7439-92-1	
Selenium	ND ug/L		10.0	1	02/23/12 08:23	02/23/12 11:23	7782-49-2	
Silver	ND ug/L		50.0	1	02/23/12 08:23	02/23/12 11:23	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		2.0	1	02/29/12 14:33	03/01/12 12:26	7439-97-6	
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510						
Benzo(a)anthracene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	56-55-3	
Benzo(a)pyrene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	205-99-2	
Benzo(k)fluoranthene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	207-08-9	
Chrysene	ND ug/L		0.54	1	02/21/12 19:25	02/22/12 22:49	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	53-70-3	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.11	1	02/21/12 19:25	02/22/12 22:49	193-39-5	
Naphthalene	ND ug/L		1.1	1	02/21/12 19:25	02/22/12 22:49	91-20-3	2d
Surrogates								
2-Fluorobiphenyl (S)	56 %.		26-106	1	02/21/12 19:25	02/22/12 22:49	321-60-8	
p-Terphenyl-d14 (S)	58 %.		16-111	1	02/21/12 19:25	02/22/12 22:49	1718-51-0	
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		02/24/12 09:54	67-64-1	
Acrolein	ND ug/L		50.0	1		02/24/12 09:54	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/24/12 09:54	107-13-1	
Benzene	ND ug/L		5.0	1		02/24/12 09:54	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/24/12 09:54	108-86-1	
Bromoform	ND ug/L		5.0	1		02/24/12 09:54	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/24/12 09:54	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/24/12 09:54	75-25-2	
Bromoform	ND ug/L		5.0	1		02/24/12 09:54	74-83-9	
Bromomethane	ND ug/L		25.0	1		02/24/12 09:54	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/24/12 09:54	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/24/12 09:54	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/24/12 09:54	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/24/12 09:54	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/24/12 09:54	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/24/12 09:54	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/24/12 09:54	75-00-3	
Chloroform	ND ug/L		5.0	1		02/24/12 09:54	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/24/12 09:54	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/24/12 09:54	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/24/12 09:54	106-43-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: Duplicate	Lab ID: 5058785007	Collected: 02/17/12 08:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		02/24/12 09:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/24/12 09:54	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		02/24/12 09:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/24/12 09:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/24/12 09:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/24/12 09:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		02/24/12 09:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/24/12 09:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/24/12 09:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/24/12 09:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/24/12 09:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/24/12 09:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/24/12 09:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/24/12 09:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		02/24/12 09:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		02/24/12 09:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		02/24/12 09:54	563-58-6	
cis-1,3-Dichloropropene	5.9	ug/L	5.0	1		02/24/12 09:54	10061-01-5	
trans-1,3-Dichloropropene	6.9	ug/L	5.0	1		02/24/12 09:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/24/12 09:54	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		02/24/12 09:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		02/24/12 09:54	87-68-3	
n-Hexane	ND	ug/L	5.0	1		02/24/12 09:54	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		02/24/12 09:54	591-78-6	
Iodomethane	ND	ug/L	10.0	1		02/24/12 09:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/24/12 09:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		02/24/12 09:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		02/24/12 09:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/24/12 09:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/24/12 09:54	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		02/24/12 09:54	103-65-1	
Styrene	ND	ug/L	5.0	1		02/24/12 09:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		02/24/12 09:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/24/12 09:54	79-34-5	
Tetrachloroethene	9.6	ug/L	5.0	1		02/24/12 09:54	127-18-4	
Toluene	ND	ug/L	5.0	1		02/24/12 09:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		02/24/12 09:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/24/12 09:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/24/12 09:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/24/12 09:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/24/12 09:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/24/12 09:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		02/24/12 09:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		02/24/12 09:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		02/24/12 09:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		02/24/12 09:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		02/24/12 09:54	75-01-4	

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: Duplicate	Lab ID: 5058785007	Collected: 02/17/12 08:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		02/24/12 09:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %.		83-123	1		02/24/12 09:54	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		72-125	1		02/24/12 09:54	460-00-4	
Toluene-d8 (S)	100 %.		81-114	1		02/24/12 09:54	2037-26-5	

ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: Trip Blank	Lab ID: 5058785008	Collected: 02/17/12 08:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND ug/L		100	1		02/24/12 10:27	67-64-1	
Acrolein	ND ug/L		50.0	1		02/24/12 10:27	107-02-8	
Acrylonitrile	ND ug/L		100	1		02/24/12 10:27	107-13-1	
Benzene	ND ug/L		5.0	1		02/24/12 10:27	71-43-2	
Bromobenzene	ND ug/L		5.0	1		02/24/12 10:27	108-86-1	
Bromoform	ND ug/L		5.0	1		02/24/12 10:27	74-97-5	
Bromochloromethane	ND ug/L		5.0	1		02/24/12 10:27	75-27-4	
Bromodichloromethane	ND ug/L		5.0	1		02/24/12 10:27	75-25-2	
Bromoform	ND ug/L		5.0	1		02/24/12 10:27	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		02/24/12 10:27	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		02/24/12 10:27	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		02/24/12 10:27	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		02/24/12 10:27	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		02/24/12 10:27	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		02/24/12 10:27	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		02/24/12 10:27	108-90-7	
Chloroethane	ND ug/L		5.0	1		02/24/12 10:27	75-00-3	
Chloroform	ND ug/L		5.0	1		02/24/12 10:27	67-66-3	
Chloromethane	ND ug/L		5.0	1		02/24/12 10:27	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		02/24/12 10:27	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		02/24/12 10:27	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		02/24/12 10:27	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		02/24/12 10:27	106-93-4	
Dibromomethane	ND ug/L		5.0	1		02/24/12 10:27	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		02/24/12 10:27	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		02/24/12 10:27	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		02/24/12 10:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		02/24/12 10:27	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		02/24/12 10:27	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		02/24/12 10:27	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		02/24/12 10:27	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		02/24/12 10:27	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		02/24/12 10:27	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		02/24/12 10:27	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		02/24/12 10:27	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		02/24/12 10:27	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		02/24/12 10:27	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		02/24/12 10:27	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		02/24/12 10:27	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		02/24/12 10:27	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		02/24/12 10:27	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		02/24/12 10:27	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		02/24/12 10:27	87-68-3	
n-Hexane	ND ug/L		5.0	1		02/24/12 10:27	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		02/24/12 10:27	591-78-6	
Iodomethane	ND ug/L		10.0	1		02/24/12 10:27	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		02/24/12 10:27	98-82-8	

Date: 03/02/2012 11:30 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Sample: Trip Blank	Lab ID: 5058785008	Collected: 02/17/12 08:00	Received: 02/20/12 16:20	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		02/24/12 10:27	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		02/24/12 10:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/24/12 10:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/24/12 10:27	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		02/24/12 10:27	103-65-1	
Styrene	ND	ug/L	5.0	1		02/24/12 10:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		02/24/12 10:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/24/12 10:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/24/12 10:27	127-18-4	
Toluene	ND	ug/L	5.0	1		02/24/12 10:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		02/24/12 10:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/24/12 10:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/24/12 10:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/24/12 10:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/24/12 10:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/24/12 10:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		02/24/12 10:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		02/24/12 10:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		02/24/12 10:27	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		02/24/12 10:27	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		02/24/12 10:27	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		02/24/12 10:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		83-123	1		02/24/12 10:27	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		72-125	1		02/24/12 10:27	460-00-4	
Toluene-d8 (S)	99 %.		81-114	1		02/24/12 10:27	2037-26-5	

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch: MERP/3704 Analysis Method: EPA 7470

QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury

Associated Lab Samples: 5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007

METHOD BLANK: 695041 Matrix: Water

Associated Lab Samples: 5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Mercury	ug/L	ND	2.0	03/01/12 11:33	

LABORATORY CONTROL SAMPLE: 695042

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695043 695044

Parameter	Units	5058738003	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike										
Mercury	ug/L	ND	5	5	4.6	4.6	92	93	75-125	.9	20			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695045 695046

Parameter	Units	5058785001	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike										
Mercury	ug/L	ND	5	5	5.4	5.2	107	103	75-125	3	20			

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch: MPRP/8686 Analysis Method: EPA 6010

QC Batch Method: EPA 3010 Analysis Description: 6010 MET

Associated Lab Samples: 5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007

METHOD BLANK: 691920 Matrix: Water

Associated Lab Samples: 5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	02/23/12 10:35	
Barium	ug/L	ND	100	02/23/12 10:35	
Cadmium	ug/L	ND	5.0	02/23/12 10:35	
Chromium	ug/L	ND	10.0	02/23/12 10:35	
Lead	ug/L	ND	10.0	02/23/12 10:35	
Selenium	ug/L	ND	10.0	02/23/12 10:35	
Silver	ug/L	ND	50.0	02/23/12 10:35	

LABORATORY CONTROL SAMPLE: 691921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	968	97	80-120	
Barium	ug/L	1000	1020	102	80-120	
Cadmium	ug/L	1000	1020	102	80-120	
Chromium	ug/L	1000	988	99	80-120	
Lead	ug/L	1000	1000	100	80-120	
Selenium	ug/L	1000	1030	103	80-120	
Silver	ug/L	500	505	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691922 691923

Parameter	Units	MS Spike		MSD Spike		MS		MSD		% Rec Limits	RPD	RPD	Max Qual
		5058785001	Result	Conc.	Conc.	Result	Result	% Rec	% Rec				
Arsenic	ug/L	10.7	1000	1000	997	1000	99	99	99	75-125	.6	20	
Barium	ug/L	149	1000	1000	1170	1190	102	102	104	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	1030	1040	103	103	104	75-125	.6	20	
Chromium	ug/L	ND	1000	1000	973	985	96	96	98	75-125	1	20	
Lead	ug/L	ND	1000	1000	992	997	99	99	99	75-125	.6	20	
Selenium	ug/L	ND	1000	1000	1040	1040	103	103	104	75-125	.1	20	
Silver	ug/L	ND	500	500	477	490	95	95	98	75-125	3	20	

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch:	MSV/39814	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5058785001, 5058785002, 5058785004, 5058785005, 5058785006		

METHOD BLANK: 692512 Matrix: Water

Associated Lab Samples: 5058785001, 5058785002, 5058785004, 5058785005, 5058785006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,1,1-Trichloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,1-Dichloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,1-Dichloroethene	ug/L	ND	5.0	02/23/12 10:18	
1,1-Dichloropropene	ug/L	ND	5.0	02/23/12 10:18	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
1,2,3-Trichloropropane	ug/L	ND	5.0	02/23/12 10:18	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	02/23/12 10:18	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/23/12 10:18	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
1,2-Dichloroethane	ug/L	ND	5.0	02/23/12 10:18	
1,2-Dichloropropane	ug/L	ND	5.0	02/23/12 10:18	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	02/23/12 10:18	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
1,3-Dichloropropane	ug/L	ND	5.0	02/23/12 10:18	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
2,2-Dichloropropane	ug/L	ND	5.0	02/23/12 10:18	
2-Butanone (MEK)	ug/L	ND	25.0	02/23/12 10:18	
2-Chlorotoluene	ug/L	ND	5.0	02/23/12 10:18	
2-Hexanone	ug/L	ND	25.0	02/23/12 10:18	
4-Chlorotoluene	ug/L	ND	5.0	02/23/12 10:18	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/23/12 10:18	
Acetone	ug/L	ND	100	02/23/12 10:18	
Acrolein	ug/L	ND	50.0	02/23/12 10:18	
Acrylonitrile	ug/L	ND	100	02/23/12 10:18	
Benzene	ug/L	ND	5.0	02/23/12 10:18	
Bromobenzene	ug/L	ND	5.0	02/23/12 10:18	
Bromochloromethane	ug/L	ND	5.0	02/23/12 10:18	
Bromodichloromethane	ug/L	ND	5.0	02/23/12 10:18	
Bromoform	ug/L	ND	5.0	02/23/12 10:18	
Bromomethane	ug/L	ND	5.0	02/23/12 10:18	
Carbon disulfide	ug/L	ND	10.0	02/23/12 10:18	
Carbon tetrachloride	ug/L	ND	5.0	02/23/12 10:18	
Chlorobenzene	ug/L	ND	5.0	02/23/12 10:18	
Chloroethane	ug/L	ND	5.0	02/23/12 10:18	
Chloroform	ug/L	ND	5.0	02/23/12 10:18	
Chloromethane	ug/L	ND	5.0	02/23/12 10:18	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/23/12 10:18	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/23/12 10:18	
Dibromochloromethane	ug/L	ND	5.0	02/23/12 10:18	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

METHOD BLANK: 692512

Matrix: Water

Associated Lab Samples: 5058785001, 5058785002, 5058785004, 5058785005, 5058785006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	02/23/12 10:18	
Dichlorodifluoromethane	ug/L	ND	5.0	02/23/12 10:18	
Ethyl methacrylate	ug/L	ND	100	02/23/12 10:18	
Ethylbenzene	ug/L	ND	5.0	02/23/12 10:18	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/23/12 10:18	
Iodomethane	ug/L	ND	10.0	02/23/12 10:18	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/23/12 10:18	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/23/12 10:18	
Methylene Chloride	ug/L	ND	5.0	02/23/12 10:18	
n-Butylbenzene	ug/L	ND	5.0	02/23/12 10:18	
n-Hexane	ug/L	ND	5.0	02/23/12 10:18	N2
n-Propylbenzene	ug/L	ND	5.0	02/23/12 10:18	
p-Isopropyltoluene	ug/L	ND	5.0	02/23/12 10:18	
sec-Butylbenzene	ug/L	ND	5.0	02/23/12 10:18	
Styrene	ug/L	ND	5.0	02/23/12 10:18	
tert-Butylbenzene	ug/L	ND	5.0	02/23/12 10:18	
Tetrachloroethene	ug/L	ND	5.0	02/23/12 10:18	
Toluene	ug/L	ND	5.0	02/23/12 10:18	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/23/12 10:18	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/23/12 10:18	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/23/12 10:18	
Trichloroethene	ug/L	ND	5.0	02/23/12 10:18	
Trichlorofluoromethane	ug/L	ND	5.0	02/23/12 10:18	
Vinyl acetate	ug/L	ND	50.0	02/23/12 10:18	
Vinyl chloride	ug/L	ND	2.0	02/23/12 10:18	
Xylene (Total)	ug/L	ND	10.0	02/23/12 10:18	
4-Bromofluorobenzene (S)	%.	96	72-125	02/23/12 10:18	
Dibromofluoromethane (S)	%.	94	83-123	02/23/12 10:18	
Toluene-d8 (S)	%.	101	81-114	02/23/12 10:18	

LABORATORY CONTROL SAMPLE: 692513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.4	91	69-122	
1,1,1-Trichloroethane	ug/L	50	52.2	104	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.2	100	68-134	
1,1,2-Trichloroethane	ug/L	50	45.9	92	77-129	
1,1-Dichloroethane	ug/L	50	47.1	94	70-127	
1,1-Dichloroethene	ug/L	50	48.3	97	75-145	
1,1-Dichloropropene	ug/L	50	48.3	97	75-126	
1,2,3-Trichlorobenzene	ug/L	50	47.2	94	63-130	
1,2,3-Trichloropropane	ug/L	50	82.7	165	45-121 L0	
1,2,4-Trichlorobenzene	ug/L	50	47.3	95	64-122	
1,2,4-Trimethylbenzene	ug/L	50	51.7	103	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	77-123	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 692513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	52.0	104	74-123	
1,2-Dichloroethane	ug/L	50	48.3	97	71-127	
1,2-Dichloropropane	ug/L	50	46.2	92	75-126	
1,3,5-Trimethylbenzene	ug/L	50	51.9	104	69-129	
1,3-Dichlorobenzene	ug/L	50	50.9	102	76-123	
1,3-Dichloropropane	ug/L	50	47.7	95	77-126	
1,4-Dichlorobenzene	ug/L	50	51.8	104	77-121	
2,2-Dichloropropane	ug/L	50	61.2	122	45-138	
2-Butanone (MEK)	ug/L	250	271	109	42-177	
2-Chlorotoluene	ug/L	50	52.0	104	74-129	
2-Hexanone	ug/L	250	267	107	57-162	
4-Chlorotoluene	ug/L	50	54.7	109	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	240	96	64-135	
Acetone	ug/L	250	357	143	10-200	
Acrolein	ug/L	1000	1470	147	10-200	
Acrylonitrile	ug/L	1000	802	80	59-144	
Benzene	ug/L	50	42.9	86	76-123	
Bromobenzene	ug/L	50	51.0	102	67-130	
Bromochloromethane	ug/L	50	45.6	91	58-153	
Bromodichloromethane	ug/L	50	47.2	94	71-124	
Bromoform	ug/L	50	42.3	85	64-116	
Bromomethane	ug/L	50	45.9	92	23-197	
Carbon disulfide	ug/L	100	89.7	90	55-146	
Carbon tetrachloride	ug/L	50	43.8	88	65-125	
Chlorobenzene	ug/L	50	51.0	102	78-120	
Chloroethane	ug/L	50	48.9	98	56-163	
Chloroform	ug/L	50	46.7	93	73-122	
Chloromethane	ug/L	50	41.2	82	46-146	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	79-129	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	66-123	
Dibromochloromethane	ug/L	50	43.9	88	70-123	
Dibromomethane	ug/L	50	44.6	89	73-123	
Dichlorodifluoromethane	ug/L	50	37.0	74	19-200	
Ethyl methacrylate	ug/L	200	175	87	70-127	
Ethylbenzene	ug/L	50	50.6	101	75-120	
Hexachloro-1,3-butadiene	ug/L	50	54.6	109	64-131	
Iodomethane	ug/L	100	82.6	83	16-181	
Isopropylbenzene (Cumene)	ug/L	50	52.8	106	73-123	
Methyl-tert-butyl ether	ug/L	100	88.5	88	66-128	
Methylene Chloride	ug/L	50	45.4	91	61-138	
n-Butylbenzene	ug/L	50	49.4	99	69-130	
n-Hexane	ug/L	50	45.0	90	67-142 N2	
n-Propylbenzene	ug/L	50	54.2	108	71-132	
p-Isopropyltoluene	ug/L	50	48.5	97	71-126	
sec-Butylbenzene	ug/L	50	55.9	112	69-130	
Styrene	ug/L	50	52.6	105	75-125	
tert-Butylbenzene	ug/L	50	51.7	103	49-114	
Tetrachloroethene	ug/L	50	29.5	59	57-125	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 692513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	47.7	95	72-124	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	71-145	
trans-1,3-Dichloropropene	ug/L	50	42.5	85	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	234	117	50-121	
Trichloroethene	ug/L	50	48.1	96	77-122	
Trichlorofluoromethane	ug/L	50	44.9	90	56-159	
Vinyl acetate	ug/L	200	252	126	27-119 L0	
Vinyl chloride	ug/L	50	40.8	82	61-146	
Xylene (Total)	ug/L	150	151	101	72-126	
4-Bromofluorobenzene (S)	%.			99	72-125	
Dibromofluoromethane (S)	%.			98	83-123	
Toluene-d8 (S)	%.			101	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 692514 692515

Parameter	Units	MS Spike		MSD Spike		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
		5058785001	Result	Conc.	Conc.						RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	37.9	43.7	76	87	30-122	14	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	48.8	52.7	98	105	37-136	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	43.9	49.7	88	99	47-132	12	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	41.6	46.2	83	92	53-131	11	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.3	47.9	89	96	47-138	8	20	
1,1-Dichloroethene	ug/L	ND	50	50	49.5	49.0	99	98	54-152	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	47.0	48.6	94	97	47-136	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	40.5	45.0	81	90	15-132	11	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	66.6	77.9	133	156	24-108	16	20 M0	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	41.2	43.5	73	78	10-130	5	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	46.8	50.1	93	100	10-141	7	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	41.5	47.2	83	94	49-130	13	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.7	50.3	93	101	20-137	7	20	
1,2-Dichloroethane	ug/L	ND	50	50	43.4	46.3	87	93	42-139	6	20	
1,2-Dichloropropane	ug/L	ND	50	50	43.2	45.6	86	91	50-131	5	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	47.7	51.2	95	102	10-145	7	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	44.9	48.1	90	96	13-143	7	20	
1,3-Dichloropropane	ug/L	ND	50	50	41.1	45.9	82	92	53-130	11	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	45.0	49.4	90	99	13-140	9	20	
2,2-Dichloropropane	ug/L	ND	50	50	53.6	58.3	107	117	13-142	8	20	
2-Butanone (MEK)	ug/L	ND	250	250	196	216	78	86	43-142	10	20	
2-Chlorotoluene	ug/L	ND	50	50	47.5	51.3	95	103	15-145	8	20	
2-Hexanone	ug/L	ND	250	250	203	233	81	93	46-139	14	20	
4-Chlorotoluene	ug/L	ND	50	50	48.7	52.3	97	105	12-143	7	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	203	232	81	93	43-140	13	20	
Acetone	ug/L	ND	250	250	196	221	76	86	38-155	12	20	
Acrolein	ug/L	ND	1000	1000	1480	1590	148	159	11-200	8	20	
Acrylonitrile	ug/L	ND	1000	1000	729	796	73	80	42-150	9	20	
Benzene	ug/L	ND	50	50	40.0	42.8	80	86	52-134	7	20	
Bromobenzene	ug/L	ND	50	50	44.4	48.3	89	97	25-140	8	20	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

Parameter	Units	5058785001		MS Spike		MSD Spike		MS Result		MSD Result		% Rec	MSD % Rec	% Rec Limits	Max RPD RPD		Qual
		Result	Conc.	Conc.	Spiked Conc.	Result	Conc.	Spiked Conc.	Result	Conc.	Spiked Conc.				RPD	RPD	
Bromochloromethane	ug/L	ND	50	50	42.0	45.2	84	90	54-144	7	20						
Bromodichloromethane	ug/L	ND	50	50	39.3	44.3	79	89	42-128	12	20						
Bromoform	ug/L	ND	50	50	33.1	38.7	66	77	34-116	16	20						
Bromomethane	ug/L	ND	50	50	42.7	47.8	85	96	10-200	11	20						
Carbon disulfide	ug/L	ND	100	100	89.2	88.4	89	88	43-144	.9	20						
Carbon tetrachloride	ug/L	ND	50	50	38.7	42.6	77	85	26-136	10	20						
Chlorobenzene	ug/L	ND	50	50	45.7	49.6	91	99	33-136	8	20						
Chloroethane	ug/L	ND	50	50	45.3	45.3	91	91	21-200	.09	20						
Chloroform	ug/L	ND	50	50	43.9	47.4	88	95	50-134	8	20						
Chloromethane	ug/L	ND	50	50	37.8	36.4	76	73	32-160	4	20						
cis-1,2-Dichloroethene	ug/L	ND	50	50	41.4	44.7	83	89	48-145	8	20						
cis-1,3-Dichloropropene	ug/L	ND	50	50	36.9	40.8	74	82	35-116	10	20						
Dibromochloromethane	ug/L	ND	50	50	35.3	40.5	71	81	39-122	14	20						
Dibromomethane	ug/L	ND	50	50	38.7	42.5	77	85	49-134	9	20						
Dichlorodifluoromethane	ug/L	ND	50	50	31.0	28.3	62	57	35-200	9	20						
Ethyl methacrylate	ug/L	ND	200	200	148	171	74	86	54-123	15	20						
Ethylbenzene	ug/L	ND	50	50	46.0	49.3	92	99	29-132	7	20						
Hexachloro-1,3-butadiene	ug/L	ND	50	50	48.1	53.6	96	107	10-146	11	20						
Iodomethane	ug/L	ND	100	100	52.5	72.0	52	72	10-171	31	20	R1					
Isopropylbenzene (Cumene)	ug/L	ND	50	50	48.4	52.1	97	104	11-146	7	20						
Methyl-tert-butyl ether	ug/L	ND	100	100	80.1	87.5	80	87	39-137	9	20						
Methylene Chloride	ug/L	ND	50	50	42.9	45.2	86	90	47-141	5	20						
n-Butylbenzene	ug/L	ND	50	50	45.6	47.9	88	92	10-156	5	20						
n-Hexane	ug/L	ND	50	50	45.6	42.5	91	85	51-137	7	20	N2					
n-Propylbenzene	ug/L	ND	50	50	50.6	53.7	101	107	10-148	6	20						
p-Isopropyltoluene	ug/L	ND	50	50	44.8	47.5	82	87	10-150	6	20						
sec-Butylbenzene	ug/L	ND	50	50	52.0	55.6	104	111	10-150	7	20						
Styrene	ug/L	ND	50	50	46.0	49.7	92	99	20-143	8	20						
tert-Butylbenzene	ug/L	ND	50	50	48.3	52.5	97	105	10-123	8	20						
Tetrachloroethene	ug/L	ND	50	50	27.3	29.8	55	60	30-124	9	20						
Toluene	ug/L	ND	50	50	42.6	47.3	85	94	42-130	10	20						
trans-1,2-Dichloroethene	ug/L	ND	50	50	47.0	47.9	94	96	48-144	2	20						
trans-1,3-Dichloropropene	ug/L	ND	50	50	35.2	39.5	70	79	24-114	12	20						
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	192	237	96	118	22-120	21	20	R1					
Trichloroethene	ug/L	ND	50	50	45.2	48.2	90	96	44-130	7	20						
Trichlorofluoromethane	ug/L	ND	50	50	45.8	47.1	92	94	17-200	3	20						
Vinyl acetate	ug/L	ND	200	200	211	232	106	116	10-115	9	20	M0					
Vinyl chloride	ug/L	ND	50	50	39.0	37.9	78	76	45-159	3	20						
Xylene (Total)	ug/L	ND	150	150	136	147	90	98	29-131	8	20						
4-Bromofluorobenzene (S)	%.						100	99	72-125		20						
Dibromofluoromethane (S)	%.							98	98	83-123		20					
Toluene-d8 (S)	%.							100	99	81-114		20					

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch:	MSV/39838	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5058785007, 5058785008		

METHOD BLANK: 692981 Matrix: Water

Associated Lab Samples: 5058785007, 5058785008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,1,1-Trichloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,1-Dichloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,1-Dichloroethene	ug/L	ND	5.0	02/24/12 09:21	
1,1-Dichloropropene	ug/L	ND	5.0	02/24/12 09:21	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
1,2,3-Trichloropropane	ug/L	ND	5.0	02/24/12 09:21	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	02/24/12 09:21	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/24/12 09:21	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
1,2-Dichloroethane	ug/L	ND	5.0	02/24/12 09:21	
1,2-Dichloropropane	ug/L	ND	5.0	02/24/12 09:21	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	02/24/12 09:21	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
1,3-Dichloropropane	ug/L	ND	5.0	02/24/12 09:21	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
2,2-Dichloropropane	ug/L	ND	5.0	02/24/12 09:21	
2-Butanone (MEK)	ug/L	ND	25.0	02/24/12 09:21	
2-Chlorotoluene	ug/L	ND	5.0	02/24/12 09:21	
2-Hexanone	ug/L	ND	25.0	02/24/12 09:21	
4-Chlorotoluene	ug/L	ND	5.0	02/24/12 09:21	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/24/12 09:21	
Acetone	ug/L	ND	100	02/24/12 09:21	
Acrolein	ug/L	ND	50.0	02/24/12 09:21	
Acrylonitrile	ug/L	ND	100	02/24/12 09:21	
Benzene	ug/L	ND	5.0	02/24/12 09:21	
Bromobenzene	ug/L	ND	5.0	02/24/12 09:21	
Bromochloromethane	ug/L	ND	5.0	02/24/12 09:21	
Bromodichloromethane	ug/L	ND	5.0	02/24/12 09:21	
Bromoform	ug/L	ND	5.0	02/24/12 09:21	
Bromomethane	ug/L	ND	5.0	02/24/12 09:21	
Carbon disulfide	ug/L	ND	10.0	02/24/12 09:21	
Carbon tetrachloride	ug/L	ND	5.0	02/24/12 09:21	
Chlorobenzene	ug/L	ND	5.0	02/24/12 09:21	
Chloroethane	ug/L	ND	5.0	02/24/12 09:21	
Chloroform	ug/L	ND	5.0	02/24/12 09:21	
Chloromethane	ug/L	ND	5.0	02/24/12 09:21	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/24/12 09:21	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/24/12 09:21	
Dibromochloromethane	ug/L	ND	5.0	02/24/12 09:21	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

METHOD BLANK: 692981

Matrix: Water

Associated Lab Samples: 5058785007, 5058785008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	02/24/12 09:21	
Dichlorodifluoromethane	ug/L	ND	5.0	02/24/12 09:21	
Ethyl methacrylate	ug/L	ND	100	02/24/12 09:21	
Ethylbenzene	ug/L	ND	5.0	02/24/12 09:21	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/24/12 09:21	
Iodomethane	ug/L	ND	10.0	02/24/12 09:21	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/24/12 09:21	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/24/12 09:21	
Methylene Chloride	ug/L	ND	5.0	02/24/12 09:21	
n-Butylbenzene	ug/L	ND	5.0	02/24/12 09:21	
n-Hexane	ug/L	ND	5.0	02/24/12 09:21	N2
n-Propylbenzene	ug/L	ND	5.0	02/24/12 09:21	
p-Isopropyltoluene	ug/L	ND	5.0	02/24/12 09:21	
sec-Butylbenzene	ug/L	ND	5.0	02/24/12 09:21	
Styrene	ug/L	ND	5.0	02/24/12 09:21	
tert-Butylbenzene	ug/L	ND	5.0	02/24/12 09:21	
Tetrachloroethene	ug/L	ND	5.0	02/24/12 09:21	
Toluene	ug/L	ND	5.0	02/24/12 09:21	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/24/12 09:21	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/24/12 09:21	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/24/12 09:21	
Trichloroethene	ug/L	ND	5.0	02/24/12 09:21	
Trichlorofluoromethane	ug/L	ND	5.0	02/24/12 09:21	
Vinyl acetate	ug/L	ND	50.0	02/24/12 09:21	
Vinyl chloride	ug/L	ND	2.0	02/24/12 09:21	
Xylene (Total)	ug/L	ND	10.0	02/24/12 09:21	
4-Bromofluorobenzene (S)	%.	95	72-125	02/24/12 09:21	
Dibromofluoromethane (S)	%.	96	83-123	02/24/12 09:21	
Toluene-d8 (S)	%.	98	81-114	02/24/12 09:21	

LABORATORY CONTROL SAMPLE: 692982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.8	94	69-122	
1,1,1-Trichloroethane	ug/L	50	54.7	109	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	61.4	123	68-134	
1,1,2-Trichloroethane	ug/L	50	53.4	107	77-129	
1,1-Dichloroethane	ug/L	50	51.3	103	70-127	
1,1-Dichloroethene	ug/L	50	51.5	103	75-145	
1,1-Dichloropropene	ug/L	50	49.3	99	75-126	
1,2,3-Trichlorobenzene	ug/L	50	51.6	103	63-130	
1,2,3-Trichloropropane	ug/L	50	102	204	45-121 L0	
1,2,4-Trichlorobenzene	ug/L	50	49.6	99	64-122	
1,2,4-Trimethylbenzene	ug/L	50	54.3	109	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	112	77-123	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 692982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	57.0	114	74-123	
1,2-Dichloroethane	ug/L	50	53.2	106	71-127	
1,2-Dichloropropane	ug/L	50	50.0	100	75-126	
1,3,5-Trimethylbenzene	ug/L	50	54.8	110	69-129	
1,3-Dichlorobenzene	ug/L	50	53.3	107	76-123	
1,3-Dichloropropane	ug/L	50	53.4	107	77-126	
1,4-Dichlorobenzene	ug/L	50	54.2	108	77-121	
2,2-Dichloropropane	ug/L	50	65.2	130	45-138	
2-Butanone (MEK)	ug/L	250	353	141	42-177	
2-Chlorotoluene	ug/L	50	54.5	109	74-129	
2-Hexanone	ug/L	250	327	131	57-162	
4-Chlorotoluene	ug/L	50	55.8	112	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	306	122	64-135	
Acetone	ug/L	250	446	179	10-200	
Acrolein	ug/L	1000	1960	196	10-200	
Acrylonitrile	ug/L	1000	1050	105	59-144	
Benzene	ug/L	50	45.5	91	76-123	
Bromobenzene	ug/L	50	52.6	105	67-130	
Bromochloromethane	ug/L	50	49.1	98	58-153	
Bromodichloromethane	ug/L	50	49.2	98	71-124	
Bromoform	ug/L	50	48.9	98	64-116	
Bromomethane	ug/L	50	29.0	58	23-197	
Carbon disulfide	ug/L	100	99.7	100	55-146	
Carbon tetrachloride	ug/L	50	44.4	89	65-125	
Chlorobenzene	ug/L	50	53.3	107	78-120	
Chloroethane	ug/L	50	51.5	103	56-163	
Chloroform	ug/L	50	50.4	101	73-122	
Chloromethane	ug/L	50	44.2	88	46-146	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	79-129	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	66-123	
Dibromochloromethane	ug/L	50	47.1	94	70-123	
Dibromomethane	ug/L	50	50.1	100	73-123	
Dichlorodifluoromethane	ug/L	50	49.2	98	19-200	
Ethyl methacrylate	ug/L	200	209	104	70-127	
Ethylbenzene	ug/L	50	52.8	106	75-120	
Hexachloro-1,3-butadiene	ug/L	50	59.8	120	64-131	
Iodomethane	ug/L	100	60.6	61	16-181	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	73-123	
Methyl-tert-butyl ether	ug/L	100	104	104	66-128	
Methylene Chloride	ug/L	50	50.1	100	61-138	
n-Butylbenzene	ug/L	50	51.1	102	69-130	
n-Hexane	ug/L	50	48.9	98	67-142 N2	
n-Propylbenzene	ug/L	50	57.0	114	71-132	
p-Isopropyltoluene	ug/L	50	50.5	101	71-126	
sec-Butylbenzene	ug/L	50	57.7	115	69-130	
Styrene	ug/L	50	53.9	108	75-125	
tert-Butylbenzene	ug/L	50	53.9	108	49-114	
Tetrachloroethene	ug/L	50	30.2	60	57-125	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 692982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	50.0	100	72-124	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	71-145	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	272	136	50-121 L0	
Trichloroethene	ug/L	50	50.5	101	77-122	
Trichlorofluoromethane	ug/L	50	48.0	96	56-159	
Vinyl acetate	ug/L	200	334	167	27-119	
Vinyl chloride	ug/L	50	44.0	88	61-146 L0	
Xylene (Total)	ug/L	150	155	103	72-126	
4-Bromofluorobenzene (S)	%.			97	72-125	
Dibromofluoromethane (S)	%.			95	83-123	
Toluene-d8 (S)	%.			100	81-114	

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch:	MSV/39874	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5058785003		

METHOD BLANK: 693522 Matrix: Water

Associated Lab Samples: 5058785003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,1,1-Trichloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,1-Dichloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,1-Dichloroethene	ug/L	ND	5.0	02/25/12 08:18	
1,1-Dichloropropene	ug/L	ND	5.0	02/25/12 08:18	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
1,2,3-Trichloropropane	ug/L	ND	5.0	02/25/12 08:18	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	02/25/12 08:18	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/25/12 08:18	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
1,2-Dichloroethane	ug/L	ND	5.0	02/25/12 08:18	
1,2-Dichloropropane	ug/L	ND	5.0	02/25/12 08:18	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	02/25/12 08:18	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
1,3-Dichloropropane	ug/L	ND	5.0	02/25/12 08:18	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
2,2-Dichloropropane	ug/L	ND	5.0	02/25/12 08:18	
2-Butanone (MEK)	ug/L	ND	25.0	02/25/12 08:18	
2-Chlorotoluene	ug/L	ND	5.0	02/25/12 08:18	
2-Hexanone	ug/L	ND	25.0	02/25/12 08:18	
4-Chlorotoluene	ug/L	ND	5.0	02/25/12 08:18	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/25/12 08:18	
Acetone	ug/L	ND	100	02/25/12 08:18	
Acrolein	ug/L	ND	50.0	02/25/12 08:18	
Acrylonitrile	ug/L	ND	100	02/25/12 08:18	
Benzene	ug/L	ND	5.0	02/25/12 08:18	
Bromobenzene	ug/L	ND	5.0	02/25/12 08:18	
Bromochloromethane	ug/L	ND	5.0	02/25/12 08:18	
Bromodichloromethane	ug/L	ND	5.0	02/25/12 08:18	
Bromoform	ug/L	ND	5.0	02/25/12 08:18	
Bromomethane	ug/L	ND	5.0	02/25/12 08:18	
Carbon disulfide	ug/L	ND	10.0	02/25/12 08:18	
Carbon tetrachloride	ug/L	ND	5.0	02/25/12 08:18	
Chlorobenzene	ug/L	ND	5.0	02/25/12 08:18	
Chloroethane	ug/L	ND	5.0	02/25/12 08:18	
Chloroform	ug/L	ND	5.0	02/25/12 08:18	
Chloromethane	ug/L	ND	5.0	02/25/12 08:18	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/25/12 08:18	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/25/12 08:18	
Dibromochloromethane	ug/L	ND	5.0	02/25/12 08:18	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

METHOD BLANK: 693522

Matrix: Water

Associated Lab Samples: 5058785003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	5.0	02/25/12 08:18	
Dichlorodifluoromethane	ug/L	ND	5.0	02/25/12 08:18	
Ethyl methacrylate	ug/L	ND	100	02/25/12 08:18	
Ethylbenzene	ug/L	ND	5.0	02/25/12 08:18	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/25/12 08:18	
Iodomethane	ug/L	ND	10.0	02/25/12 08:18	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/25/12 08:18	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/25/12 08:18	
Methylene Chloride	ug/L	ND	5.0	02/25/12 08:18	
n-Butylbenzene	ug/L	ND	5.0	02/25/12 08:18	
n-Hexane	ug/L	ND	5.0	02/25/12 08:18	N2
n-Propylbenzene	ug/L	ND	5.0	02/25/12 08:18	
p-Isopropyltoluene	ug/L	ND	5.0	02/25/12 08:18	
sec-Butylbenzene	ug/L	ND	5.0	02/25/12 08:18	
Styrene	ug/L	ND	5.0	02/25/12 08:18	
tert-Butylbenzene	ug/L	ND	5.0	02/25/12 08:18	
Tetrachloroethene	ug/L	ND	5.0	02/25/12 08:18	
Toluene	ug/L	ND	5.0	02/25/12 08:18	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/25/12 08:18	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/25/12 08:18	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	02/25/12 08:18	
Trichloroethene	ug/L	ND	5.0	02/25/12 08:18	
Trichlorofluoromethane	ug/L	ND	5.0	02/25/12 08:18	
Vinyl acetate	ug/L	ND	50.0	02/25/12 08:18	
Vinyl chloride	ug/L	ND	2.0	02/25/12 08:18	
Xylene (Total)	ug/L	ND	10.0	02/25/12 08:18	
4-Bromofluorobenzene (S)	%.	97	72-125	02/25/12 08:18	
Dibromofluoromethane (S)	%.	107	83-123	02/25/12 08:18	
Toluene-d8 (S)	%.	100	81-114	02/25/12 08:18	

LABORATORY CONTROL SAMPLE: 693523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.6	99	69-122	
1,1,1-Trichloroethane	ug/L	50	55.1	110	69-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.2	100	68-134	
1,1,2-Trichloroethane	ug/L	50	55.2	110	77-129	
1,1-Dichloroethane	ug/L	50	46.5	93	70-127	
1,1-Dichloroethene	ug/L	50	49.9	100	75-145	
1,1-Dichloropropene	ug/L	50	51.8	104	75-126	
1,2,3-Trichlorobenzene	ug/L	50	50.7	101	63-130	
1,2,3-Trichloropropane	ug/L	50	82.6	165	45-121 L3	
1,2,4-Trichlorobenzene	ug/L	50	51.1	102	64-122	
1,2,4-Trimethylbenzene	ug/L	50	55.4	111	68-129	
1,2-Dibromoethane (EDB)	ug/L	50	56.7	113	77-123	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 693523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	50	53.1	106	74-123	
1,2-Dichloroethane	ug/L	50	49.7	99	71-127	
1,2-Dichloropropane	ug/L	50	50.2	100	75-126	
1,3,5-Trimethylbenzene	ug/L	50	54.5	109	69-129	
1,3-Dichlorobenzene	ug/L	50	53.6	107	76-123	
1,3-Dichloropropane	ug/L	50	54.2	108	77-126	
1,4-Dichlorobenzene	ug/L	50	53.3	107	77-121	
2,2-Dichloropropane	ug/L	50	43.9	88	45-138	
2-Butanone (MEK)	ug/L	250	312	125	42-177	
2-Chlorotoluene	ug/L	50	56.0	112	74-129	
2-Hexanone	ug/L	250	311	125	57-162	
4-Chlorotoluene	ug/L	50	56.4	113	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	250	265	106	64-135	
Acetone	ug/L	250	435	174	10-200	
Acrolein	ug/L	1000	1390	139	10-200	
Acrylonitrile	ug/L	1000	856	86	59-144	
Benzene	ug/L	50	49.5	99	76-123	
Bromobenzene	ug/L	50	52.9	106	67-130	
Bromochloromethane	ug/L	50	43.0	86	58-153	
Bromodichloromethane	ug/L	50	48.7	97	71-124	
Bromoform	ug/L	50	39.8	80	64-116	
Bromomethane	ug/L	50	59.6	119	23-197	
Carbon disulfide	ug/L	100	91.4	91	55-146	
Carbon tetrachloride	ug/L	50	48.3	97	65-125	
Chlorobenzene	ug/L	50	55.1	110	78-120	
Chloroethane	ug/L	50	46.6	93	56-163	
Chloroform	ug/L	50	48.1	96	73-122	
Chloromethane	ug/L	50	44.7	89	46-146	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	79-129	
cis-1,3-Dichloropropene	ug/L	50	45.7	91	66-123	
Dibromochloromethane	ug/L	50	45.4	91	70-123	
Dibromomethane	ug/L	50	45.6	91	73-123	
Dichlorodifluoromethane	ug/L	50	56.9	114	19-200	
Ethyl methacrylate	ug/L	200	226	113	70-127	
Ethylbenzene	ug/L	50	53.2	106	75-120	
Hexachloro-1,3-butadiene	ug/L	50	52.9	106	64-131	
Iodomethane	ug/L	100	101	101	16-181	
Isopropylbenzene (Cumene)	ug/L	50	56.8	114	73-123	
Methyl-tert-butyl ether	ug/L	100	95.3	95	66-128	
Methylene Chloride	ug/L	50	52.8	106	61-138	
n-Butylbenzene	ug/L	50	51.6	103	69-130	
n-Hexane	ug/L	50	41.9	84	67-142 N2	
n-Propylbenzene	ug/L	50	54.4	109	71-132	
p-Isopropyltoluene	ug/L	50	57.2	114	71-126	
sec-Butylbenzene	ug/L	50	56.3	113	69-130	
Styrene	ug/L	50	55.5	111	75-125	
tert-Butylbenzene	ug/L	50	52.7	105	49-114	
Tetrachloroethene	ug/L	50	38.9	78	57-125	

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QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

LABORATORY CONTROL SAMPLE: 693523

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	52.3	105	72-124	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	71-145	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	58-118	
trans-1,4-Dichloro-2-butene	ug/L	200	199	100	50-121	
Trichloroethene	ug/L	50	57.2	114	77-122	
Trichlorofluoromethane	ug/L	50	51.3	103	56-159	
Vinyl acetate	ug/L	200	115	57	27-119	
Vinyl chloride	ug/L	50	48.7	97	61-146	
Xylene (Total)	ug/L	150	160	107	72-126	
4-Bromofluorobenzene (S)	%.			100	72-125	
Dibromofluoromethane (S)	%.			95	83-123	
Toluene-d8 (S)	%.			102	81-114	

QUALITY CONTROL DATA

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

QC Batch:	OEXT/28846	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water PAH by SIM MSSV
Associated Lab Samples:	5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007		

METHOD BLANK: 691347 Matrix: Water

Associated Lab Samples: 5058785001, 5058785002, 5058785003, 5058785004, 5058785005, 5058785006, 5058785007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)anthracene	ug/L	ND	0.10	02/22/12 16:25	
Benzo(a)pyrene	ug/L	ND	0.10	02/22/12 16:25	
Benzo(b)fluoranthene	ug/L	ND	0.10	02/22/12 16:25	
Benzo(k)fluoranthene	ug/L	ND	0.10	02/22/12 16:25	
Chrysene	ug/L	ND	0.50	02/22/12 16:25	
Dibenz(a,h)anthracene	ug/L	ND	0.10	02/22/12 16:25	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	02/22/12 16:25	
Naphthalene	ug/L	5.0	1.0	02/22/12 16:25	1d
2-Fluorobiphenyl (S)	%.	68	26-106	02/22/12 16:25	
p-Terphenyl-d14 (S)	%.	92	16-111	02/22/12 16:25	

LABORATORY CONTROL SAMPLE: 691348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/L	10	8.5	85	51-119	
Benzo(a)pyrene	ug/L	10	9.0	90	52-124	
Benzo(b)fluoranthene	ug/L	10	9.0	90	51-122	
Benzo(k)fluoranthene	ug/L	10	8.5	85	53-123	
Chrysene	ug/L	10	8.7	87	54-118	
Dibenz(a,h)anthracene	ug/L	10	8.4	84	49-114	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.3	83	49-114	
Naphthalene	ug/L	10	9.3	93	27-103	
2-Fluorobiphenyl (S)	%.			68	26-106	
p-Terphenyl-d14 (S)	%.			86	16-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 691349 691350

Parameter	Units	5058785001 Result	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec	Max	
			Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD
Benzo(a)anthracene	ug/L	ND	22.2	22.2	9.2	8.5	41	38	31-102	8	20
Benzo(a)pyrene	ug/L	ND	22.2	22.2	6.5	6.4	29	29	10-93	2	20
Benzo(b)fluoranthene	ug/L	ND	22.2	22.2	6.6	6.6	30	30	11-93	.08	20
Benzo(k)fluoranthene	ug/L	ND	22.2	22.2	7.0	6.4	31	29	12-91	8	20
Chrysene	ug/L	ND	22.2	22.2	9.3	8.5	42	38	34-99	8	20
Dibenz(a,h)anthracene	ug/L	ND	22.2	22.2	4.1	4.2	19	19	10-79	2	20
Indeno(1,2,3-cd)pyrene	ug/L	ND	22.2	22.2	4.4	4.5	20	20	10-79	3	20
Naphthalene	ug/L	ND	22.2	22.2	9.1	8.0	41	36	23-107	13	20
2-Fluorobiphenyl (S)	%.						48	45	26-106		20
p-Terphenyl-d14 (S)	%.						55	32	16-111		20 R1

Date: 03/02/2012 11:30 AM

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Former Coal Yard/86.39738.016H

Pace Project No.: 5058785

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MERC/3635

- [1] The recovery of the second source standard used to verify the initial calibration curve for this analyte failed high. All reported results are less than the reporting limit and thus, unaffected by any high bias. 030112lb

ANALYTE QUALIFIERS

- 1d Analyte detected in the method blank exceeded the report limit. 2-24-12 RRB
- 2d Analyte was detected in the associated method blank. Result acceptance based on the analyte concentration in the sample being below the report limit. 2-24-12 RRB
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- N2 The lab does not hold TNI accreditation for this parameter.
- R1 RPD value was outside control limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Coal Yard/86.39738.016H
Pace Project No.: 5058785

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5058785001	GP-1	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785002	GP-2	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785003	GP-3	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785004	GP-4	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785005	GP-5	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785006	GP-6	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785007	Duplicate	EPA 3010	MPRP/8686	EPA 6010	ICP/8491
5058785001	GP-1	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785002	GP-2	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785003	GP-3	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785004	GP-4	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785005	GP-5	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785006	GP-6	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785007	Duplicate	EPA 7470	MERP/3704	EPA 7470	MERC/3635
5058785001	GP-1	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785002	GP-2	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785003	GP-3	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785004	GP-4	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785005	GP-5	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785006	GP-6	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785007	Duplicate	EPA 3510	OEXT/28846	EPA 8270 by SIM	MSSV/9643
5058785001	GP-1	EPA 8260	MSV/39814		
5058785002	GP-2	EPA 8260	MSV/39814		
5058785003	GP-3	EPA 8260	MSV/39874		
5058785004	GP-4	EPA 8260	MSV/39814		
5058785005	GP-5	EPA 8260	MSV/39814		
5058785006	GP-6	EPA 8260	MSV/39814		
5058785007	Duplicate	EPA 8260	MSV/39838		
5058785008	Trip Blank	EPA 8260	MSV/39838		



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Sample Condition Upon Receipt

Pace Analytical

Client Name: ATC

Project # 5058785

Courier: FedEx UPS USPS Client Commercial Pace Other
Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other FOAM

Date/Time 5035A kits placed in freezer

Thermometer Used: 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun
Cooler Temperature Corrected, if applicable) 1.7°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C
Comments: Date and Initials of person examining contents: 2-20-12 DE

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
ampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
hort Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
ush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
ontainers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
ample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. These are 16 containers for sample GP-1(MS/MSD) but the chain lists only 13 containers
-Includes date/time/ID/Analysis		
containers needing acid/base pres have been checked?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl
options: VOA, coliform, TOC, O&G		
containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
ep Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
ep Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Project Manager Review:			
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.	

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

1 of the TB vials was a terrace trip blank. I had a "X" on the lid. The rest of the vials were water TB & ok.

Project Manager Review: V. Dommer Date: 2-20-12

ACT
CLIENT:

Sample Container Count

1 of 1 PAGE

DOC ID#

Sample line

Project # 5658785



Analytical

Container Codes

DG9H	40mL HCl amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGfU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace sepiia vial & HCl
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag